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PERSONAL.

Lieut. Col. J. A. Strathy has been elected President of the Royal Electric Co., Montreal, Canada.

Mr. Nicholas Laux has resigned his position as Superintendent of Water Works at Orange, N. J.

Mr. J. I. Hudson has been appointed City Civil Engineer of Portsmouth, O., succeeding Mr. Ben. Bratt.

Mr. C. H. Garden has accepted a position as engineer for the Alberta Railway & Coal Co., at Lethbridge, Alberta, Canada.

Mr. A. E. Stilwell, President of the Kansas City, Pittsburg & Gulf R. R., will move from Kansas City to Chicago.

Mr. M. A. Carmody has been promoted from Trainmaster to Superintendent of the River Division of the Allegheny Valley R. R.

Major Edgar Z. Steever, U. S. A., has been relieved from further duty with the Intercontinental Railway Commission.

Mr. Wm. Hattan has been appointed an assistant engineer on the Baltimore & Ohio R. R., with office at Clarksburg, W. Va.

Mr. E. C. Brown has been appointed Principal Assistant Engineer of the Pittsburg & Lake Erie R. R., with offices at Greenville, Pa.

Mr. George Blackie, of Nashville, Tenn., has accepted a position as civil engineer for a phosphate mining company at Mount Pleasant, Tenn.

Mr. T. C. Burpee, Assistant Engineer of the Intercolonial Ry., of Canada, has been appointed Engineer of Maintenance of Way and Works.

Mr. W. B. Foote, of the Edgar Thomson Steel Works, has been appointed Superintendent of the Juniata Furnace & Foundry Co., of Newport, Pa.

Mr. Winthrop Slade has been appointed Superintendent of the New Jersey Steel & Iron Works, at Trenton, N. J., succeeding the late Mr. Joseph Stokes.

Mr. William Yeatman, of Middletown, O., formerly Auditor of the Cincinnati & Miami Valley Traction Co., has been appointed General Manager of the line.

Mr. E. O. Young, City Engineer of Ludlow, Ky., has resigned that position to accept one as Assistant Engineer on the U. S. Government Work at Louisa, Ky.

Mr. G. W. Emory, Division Engineer of the Western New York & Pennsylvania R. R., at Oil City, Pa., has accepted a position on the New York Central R. R.

Mr. Raymond Du Puy, General Superintendent of the Chicago Great Western Ry., has resigned to accept a position on the Delaware, Lackawanna & Western R. R.

First Lieut. George M. Hoffman has been relieved from the Battalion of Engineers and will proceed to Washington and report to Lieut. Col. Alexander M. Miller for orders.

Mr. L. W. Berry has been appointed Superintendent of the St. Louis Division of the Chicago, Burlington & Quincy R. R., succeeding Mr. W. G. Besler, who has resigned.

Mr. W. A. Garrett, Division Superintendent of the Wabash R. R., has been appointed Superintendent of the newly formed Philadelphia Division of the Philadelphia & Reading R. R.

Mr. T. Chalkley Hatton, M. Am. Soc. C. E., Engineer in Charge of Sewers, Wilmington, Del., recently delivered a lecture on "Street Paving" before the City Council of Newport News, Va.

Mr. W. B. MacKenzie, M. Am. Soc. C. E., Chief Engineer of the Intercolonial Ry., of Canada, has been appointed Chief Engineer of Construction, owing to a division of the duties of his department.

Mr. Tracy Lyon, Master Mechanic of the Chicago Great Western Ry., has been appointed General Superintendent of that road, with offices at St. Paul, Minn., succeeding Mr. Raymond Du Puy, who has resigned.

Mr. Charles B. Price, Acting General Superintendent of the Allegheny Valley Ry., has been appointed General Superintendent, succeeding Mr. David McCargo, who has resigned on account of continued ill health.

Mr. M. J. Caples, Assoc. M. Am. Soc. C. E., Assistant Engineer of the Norfolk & Western Ry., has resigned that position to become General Manager for Mr. W. M. Ritter, in charge of his lumber business and of the Iaeger & Southern Ry. and other railways operated or under construction by him. His offices are at Welch, W. Va.

Mr. A. S. Salisbury, Superintendent of the Utica Division of the Delaware, Lackawanna & Western R. R., has been appointed Superintendent of the Scranton Division, to succeed Mr. Garrett Bogart, who has resigned.

Lieut.-Comms. E. T. Warburton and S. Potts, and Lieutenants F. W. Bartlett and H. E. Parmenter, U. S. N., have been ordered to the torpedo station, Newport, R. I., for instruction in torpedoes and electricity.

Second Lieuts. Clarke S. Smith, Lyttle Brown, Earl I. Brown and Amos A. Fries, U. S. A., have been ordered to proceed to Willets Point, N. Y., for duty with the Battalion of Engineers and at the Engineer School.

Mr. Alexander Potter, Assoc. M. Am. Soc. C. E., will remove his offices temporarily from 137 Broadway to 157 Broadway, New York city, on account of the proposed construction of a new building at 137 Broadway.

Mr. David Van Alstine, Division Master Mechanic of the Chicago Great Western Ry., has been appointed Master Mechanic, succeeding Mr. Tracy Lyon, who has been promoted to the position of General Superintendent.

Mr. E. French, Resident Engineer of the Western Division of the Grand Trunk Ry., has had his jurisdiction extended to include all work of the Bridge and Building Department on this division. His office is at Detroit, Mich.

Mr. D. S. Thompson, Division Engineer of the New York, Chicago & St. Louis R. R., has accepted a similar position on the Western New York & Pennsylvania R. R., with offices at Oil City, Pa., succeeding Mr. G. W. Emory.

Mr. George E. Merchant has been appointed General Superintendent of the Buffalo, Rochester & Pittsburg Ry., with office at Rochester, N. Y. This is a new position. Mr. Merchant was formerly Assistant to the President of the same road.

Mr. Serge Friede, of the M. S. Friede Co., of New York, has returned from a business trip over the Chinese Eastern Ry., and is reported as intending to place a number of orders for American tools and machinery for this line and the Siberian Ry.

Capt. David Du B. Gaillard, Corps of Engineers, U. S. A., has been relieved from the immediate orders of Lieut. Col. Alexander M. Miller, and will report as assistant to the Engineer Commissioner of the District of Columbia, Washington, D. C.

Mr. A. Schwarz, Superintendent of the Syracuse Division of the Delaware, Lackawanna & Western R. R., has had his jurisdiction extended to include the Utica Division, Mr. Salisbury, of the latter division having been transferred to the Scranton Division.

Mr. O. H. Sheffield has opened an office in the Austell Building, Atlanta, Ga., for practice as a civil engineer. He was recently with the Gillette-Herzog Mfg. Co., of Minneapolis, Minn., previous to which he was instructor in civil engineering at the University of Georgia.

Mr. V. A. Kashevnikoff, Engineer of the Mechanical Department of the Chinese Eastern Ry. (the extension of the Trans-Siberian Ry.), has sailed from New York for England. During his stay in this country he placed a number of orders for machinery and machine tools.

Mr. Harry O. Robinson, of Bangor, Me., will return to Cuba shortly as engineer for a New York company, which intends to build a railway from Santiago to Manzanilla. He was one of the engineers in charge of the construction of the United States government buildings at Havana.

Mr. C. W. Sanders, who has been engaged in private practice as a civil and consulting engineer at Los Angeles, Cal., for the past ten years, has accepted the position of Resident Engineer of the Eastern Ry. of Minnesota (Great Northern Ry. system), with headquarters at West Superior Wis.

Mr. John Brunner, M. Am. Soc. C. E., Engineer of Bridges, Pittsburg, Pa., has been appointed Superintendent of the Bureau of Engineering and Construction of that city. The appointment was made by Mr. E. M. Bigelow, M. Am. Soc. C. E., Director of the Department of Public Works.

Prof. Erick von Drygalski, the leader of the German Antarctic expedition, is 34 years old, and was born at Konigsberg, in Prussia. In 1882 he entered the university in his native town, studying afterward, at the universities of Bonn, Leipsic and Berlin. He was the leader of the German East Greenland expedition despatched by the Berlin Society for Knowledge of the Earth, 1891-1893. In March, 1899, he was appointed professor of geography at the University of Berlin.

Prof. A. C. Nathorst, the Swedish explorer and scientist, who is now searching for Andree or the relics of the expedition, is a member of the Swedish Royal Academy and of some of the leading geographical societies of the world. In 1870 and in 1882 he explored Spitzbergen. In 1883 he made a voyage to Greenland, and he was a member of the "Vega" expedition around Asia. He will sail to the region between 73° and 75° N. latitude, near Cape Bismarck, on the east coast of Greenland, and will follow the coast southward.

Mr. George Truesdell has been elected President of the Washington Traction & Electric Street Ry. Co., a position recently offered to Brig.-Gen. Leonard Wood, U. S. Vols. Mr. Truesdell was born in Onondaga county, New York, in 1844, and studied civil engineering at Michigan University. He served in the Civil War, and was brevetted Lieutenant-Colonel for meritorious services. Since the war he has resided in Washington, except for two years, when he practiced civil engineering in New Jersey, being largely interested in real estate and the development of suburban Washington. From 1894 to 1897 he was District Commissioner of Washington, D. C.

OBITUARY.

Mr. William H. Stearns, who died at Springfield, Mass., July 14, at the age of 77, was master mechanic of the Connecticut River R. R. from 1872 to 1895, when the road was acquired by the Boston & Maine R. R.

Mr. Lloyd Tevis, who was at one time President of the Southern Pacific Ry., and of the Wells-Fargo Express Co., died July 24, at San Francisco, Cal. He was born at Shelbyville, Ky., in 1824, and went to California during the gold-fields excitement of 1849.

Prof. Hezekiah R. Geiger, of Springfield, O., died July 18, at the age of 75. He went to Springfield in 1846 as one of the original faculty of Wittenberg College at its founding, and remained with the institution, in charge of the department of natural science anl physics, until 1882. Later he became connected with the United States Geological Survey.

ENGINEERING SOCIETIES.

COMING TECHNICAL MEETINGS.

THE LOUISIANA ENGINEERING SOCIETY.
Aug. 8. Secy., J. F. Coleman, 712 Union St., New Orleans, La.

WISCONSIN STATE CHEMICAL ASSOCIATION.
Aug. 11. Secy., I. Ladoff, 154 Knapp St., Milwaukee, Wis.

MONTANA SOCIETY OF ENGINEERS.
Aug. 12. Butte, Mont. Secy., A. S. Hovey, Nat'l Bank Bldg., Helena, Mont.

INTERNATIONAL ASSOCIATION FOR TESTING MATERIALS. AMERICAN SECTION.
Aug. 15, 16. Annual meeting at Pittsburg, Pa. Secy., Richard L. Humphrey, City Hall, Philadelphia, Pa.

SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION.
Aug. 17-19. Annual meeting, Columbus, O. Secy., Albert Kingsbury, Durham, N. H.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.
Aug. 21-26. Annual meeting at Columbus, O. Secy., Prof. Frederick Bedell, Ithaca, N. Y. Local Secy., Prof. B. F. Thomas, Columbus, O.

ASSOCIATION OF EDISON ILLUMINATING COMPANIES.
Sept. 12. Annual meeting, Philadelphia. Secy., Wilson S. Howell, P. O. Box 114, Newark, N. J.

ROADMASTERS' ASSOCIATION OF AMERICA.
Sept. 12 to 15. Annual meeting at Detroit. Secy., J. B. Dickson, C. & N. W. Ry., Sterling, Ill.

CANADIAN ROADMASTERS ASSOCIATION.
Sept 20. Annual convention, at Toronto, Ont. Secy, J. Drinkwater, C. P. Ry., Winchester, Ont., Canada.

AMERICAN INSTITUTE OF MINING ENGINEERS
Sept. 25. Annual meeting, San Francisco, Cal. Secy., R. W. Raymond, 99 John St., New York city.

NEW YORK RAILROAD CLUB.—The fifth annual dinner was held July 20 at the Manhattan Beach Hotel, Coney Island. Mr. D. M. Brady presided, in the absence of the President, Mr. H. H. Vreeland.

STATE AND INTERSTATE GOOD ROADS AND PUBLIC IMPROVEMENT ASSOCIATION.—This association is arranging to hold conventions in 22 states during September and October. The Illinois district convention will be held as follows: Monmouth, Sept. 5; Rockford, Sept. 7; Rock Island, Sept. 9; Alton, Sept. 11; Quincy, Sept. 21; Jacksonville, Sept. 13; Danville, Sept. 14; Decatur, Sept. 15; Bloomington, Sept. 19; Joliet, Sept. 20; Ottawa, Sept. 21. Mr. William Moore, of St. Louis, Mo., is President of the Association.

CONNECTICUT CIVIL ENGINEERS' AND SURVEYORS' ASSOCIATION.—The summer excursion was made July 18, when a party of about 75 members and guests visited the works of the new masonry dam being built across the Connecticut River at Holyoke, Mass. The dam will be 1,020 ft. long and 30 ft. high, and will cost about $600,000 (Eng. News, May 13, 1897). Previous to inspecting the dam, the party made a trip on the cable-electric incline railway up Mount Tom. This line has a grade of 21%, and its summit is 1,266 ft. above sea level.

IRON AND STEEL INSTITUTE.—The autumn meeting will be held at Manchester (England), on August 15 to 18. The following papers have been promised: "The Constitution of Steel," Prof. E. D. Campbell (Ann Arbor, Mich.); "Diffusion in Steel," F. W. Harbord and Thomas Twynam; "The Magnetic Concentration of Iron Ore," H. C. McNeill; "India as a Center for Steel Manufacture," Major R. H. Mahon, R. A. (Cossipore); "Pig Iron Fractures and Their Value in Foundry Practice," J. W. Miller; "Practical Microscopic Analysis for Use in the Steel Industries," C. H. Ridsdale; F. I. C. (Guisbrough). "The Relation Between the Structure of Steel and its Thermal and Mechanical Treatment," Albert Sauveur (Boston, Mass.); "The Present Position of the Solution Theory of Carburized Iron, A. Stansfield; "The Iron Industry in the Territory of the Nizam," Syed Ali Bilgrami, Secretary to Nizam's Government Public Works Department, Railways and Mines; "A New Casting Machine for Blast Furnaces, R. Hanbury Wainford; "The Utilization of Powdered Iron Ore," Professor J. Wiborgh (Stockholm).

There will be excursions as follows: (1) The shops of the Lancashire & Yorkshire Ry., at Horwich; (2) the

Simon-Carves coke ovens at the Barrow Steel Co.'s collieries and the Wharncliffe collieries; (3) the Manchester Ship Canal and its docks; (4) the machine and iron works of Platt Brothers, Oldham; (5) the cotton mills of the Pine Mill Co., at Oldham; (6) the Galloway boiler works at Ardwick; (7) the cotton mills and weaving sheds of Richard Haworth & Co., at Salford; (8) the machine tool works of Kendall & Gent, at Bellevue; (9) the steel works, locomotive shops, etc., of the London & Northwestern Ry., at Crewe. Bennett H. Brough, Secy.

AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION.—At the meeting of the Board of Direction, held at the office of the President, Mr. J. F. Wallace (Illinois Central R. R.), in Chicago, July 14, chairmen of the 14 standing committees were selected, as follows:

Grading: J. B. Berry, Chief Engineer, Union Pacific Ry., Omaha, Neb.

Ballasting: R. Montfort, Chief Engineer, Louisville & Nashville R. R., Louisville, Ky.

Ties: J. Kruttschnitt, Vice-President and General Manager, Southern Pacific Co., San Francisco, Cal.

Rails: R. W. Trimble, Principal Assistant Engineer, Pennsylvania Lines, Pittsburg, Pa.

Track: E. A. Handy, Chief Engineer, Lake Shore & Michigan Southern Ry., Cleveland, O.

Buildings: W. G. Berg, Engineer of Maintenance of Way, Lehigh Valley R. R., South Bethlehem, Pa.

Bridges and Trestles: Onward Bates, Engineer of Bridges and Buildings, Chicago, Milwaukee & St. Paul Ry., Chicago, Ill.

Masonry: W. S. Breckenridge, Chief Engineer, Chicago, Burlington & Quincy R. R., Chicago, Ill.

Signs, Crossings, Fences and Cattleguards: H. Fernstron, Chief Engineer, Chicago Great Western Railway, St. Paul, Minn.

Signaling and Interlocking Plants; H. D. Miles, Signal Engineer, Michigan Central R. R., Detroit, Mich.

Records, Accounts and Reports: H. F. White, Chief Engineer, Burlington, Cedar Rapids & Northern R. R., Cedar Rapids, Ia.

Uniform Rules, Organization, Etc: Thos. Tait, Manager of Eastern Lines, Canadian Pacific Ry., Montreal, Canada.

Water Service: W. E. Dauchey, Superintendent of Maintenance and Construction, Chicago, Rock Island & Pacific Ry., Topeka, Kan.

Yards and Terminals: A. W. Sullivan, General Superintendent, Illinois Central R. R., Chicago, Ill.

This new association already has 230 members, including chief engineers, superintendents, managers, presidents, etc., representing a very large mileage of important railways. I. C. Fritch, Secy.

NEW PUBLICATIONS.

BOUNDARY LINE BETWEEN MASSACHUSETTS AND RHODE ISLAND.—Report of the Massachusetts Commissioners on the Topographical Survey. Henry B. Wood, Engineer, Boston, Mass. Cloth; 6 × 9 ins.; tables and one folding map.

This report contains a historical review of the settlement of boundary lines between the two states and a detailed account of the engineering work recently completed. This work was on that portion of the boundary from Wentham, Mass., southerly to the sea.

MUNICIPAL WATER-WORKS.—Return giving (1) the names of the local authorities in England and Wales where the water supply is in the hands of such authorities; (2) a synopsis of the latest official report and statistics relating to such supply. By G. L. Gomme, Statistical Officer of the London County Council. P. S. King & Son, 9 Bridge St., Westminster, S. W., England. Paper; 8 × 13 ins.; pp. 51; many tables. 1s. 6d. in England; 60 cts. in America.

This is an interesting study of municipal ownership of water-works in England and Wales. Quite a variety of detailed information is given regarding the works owned by 44 county boroughs, but the figures relating to some 600 other municipal works are scanty. An abstract of some parts of the report has been made for publication in the body of the paper.

THE PREMIUM PLAN OF PAYING LABOR.—By F. A. Halsey; American Machinist Press., New York, N. Y. Paper; 3½ × 9 ins.; pp. 23.

This is a reprint of an article written for the "American Machinist" by Mr. F. A. Halsey, with an editorial from the same journal. This article is an interesting discussion of the premium plan for paying labor, including the history of its development, a description of the method of applying it, results of its operation in actual practice, and other pertinent matter. The pamphlet will be sent free to interested persons by the publishers.

DIAGRAMS TO FACILITATE MATHEMATICAL CALCULATIONS IN LOCOMOTIVE PRACTICE.—Baldwin Locomotive Works, Philadelphia, Pa. Paper; 9 × 6 ins.; pp. 34.

This pamphlet contains 15 double-page diagrams for calculating revolutions of driving wheels per mile; piston speed in feet per minute at engine speed of ten miles per hour; nominal horse-power per ton required for various grades and speeds on straight track; tractive power of locomotives per pound of mean effective pressure; tractive power of locomotives, boiler pressure 140 lbs.; same with boiler pressure 160 lbs.; same with boiler pressure 180 lbs.; same with boiler pressure 200 lbs.; resistance of trains in pounds per ton for various grades and speeds on straight track; speed resistance; resistance due to acceleration of speed in one mile on straight, level track; hauling capacity in tons for each 1,000 lbs. on driving wheels; adhesion, ¼th, frictional resistance 6 lbs. per ton; same, adhesion 9-40, frictional resistance 7 lbs. per ton; same, adhesion, 1-5, frictional resistance 8 lbs. per ton. same, adhesion 1-5, frictional resistance 10 lbs. per ton. Each diagram is accompanied by text explaining the method of using it. Altogether this set of diagrams constitutes a very useful little publication, and we would advise any of our readers who may have occasion to make the calculations which it covers to secure the pamphlet for their library.

TRADE PUBLICATIONS.

(The standard sizes for pamphlets and trade catalogues recommended by all the principal engineering societies of the United States are: 3½ x 6 ins., 6 x 9 ins., and 9 x 12 ins.)

WIRE FENCING.—The Lamb Fence Co., Adrian, Mich. Paper; 6½ × 6½ ins.; pp. 10; illustrated.

The Lamb fence has rectangular meshes, the longitudinal wires being coiled or crimped in manufacture so as to form a series of springs which take up all expansion and contraction. The fence is used for railway and farm service. Steel-framed gates with wire coverings are also shown.

WATER-WORKS SOUVENIR.—W. D. Lovell, Civil and Consulting Engineer, Des Moines, Ia. Paper; 9 × 6 ins.; pp. 56; tables and illustrations.

This pamphlet is made up largely of illustrated description of works or parts of works built by Crellin & Lovell, to which firm Mr. Lovell succeeds. There are also a few useful tables and some general information regarding water-works.

WESTINGHOUSE SINGLE REDUCTION RAILWAY MOTOR.—The Westinghouse Electric & Mfg. Co., Pittsburg, Pa. Pamph.; 7 × 10 ins.; illustrated.

This is catalogue No. 188—B, and in it is described the main features of the type of railway motor which the manufacturers designate as 38B.

SHALLENBERGER INTEGRATING WATTMETERS FOR ALTERNATING CURRENT CIRCUITS.—This circular, also one of the series, is numbered 168—C. It contains an illustrated description of the construction of this instrument. The method of connecting the instruments when used on single or polyphase circuits is clearly shown by means of half tones of actual installations.

GENERATORS AND ROTARY CONVERTERS FOR ELECTROLYTIC WORK.—This circular is numbered 200—A, and, as indicated by the title, describes in a brief and general way generators and rotary converters for use in connection with all forms of electrolytic work, such as the manufacture of calcium carbide, copper refining, etc.

BELT-DRIVEN RAILWAY GENERATORS.—This is also one of the regular series of Westinghouse circulars, and it bears the number 229. In this circular the points of excellence claimed by the manufacturers for this type of generator are well set forth, both as to illustrations and accompanying text.

TRANSFORMER FUSE BLOCKS, 1,000-3,000 VOLTS.—This circular, which bears the number 110—E, illustrates and describes a form of standard central station fuse block of the renewable self-blowout type.

CONSTRUCTION NEWS.

CONDENSED LIST OF CONTRACTS PENDING WITH DATE OF OPENING BIDS.

Bids to be opened.	Work.	Place.	See Eng. News.
July 27.	City hall,	Braddock, Pa.	July 27
July 28.	Bridge,	Grand Rapids, Ohio	July 27
July 28.	Street cleaning,	Brooklyn, N. Y.	July 13
July 28.	Removing wreck,	New York Harbor,	June 29
	Advertised, Eng. News, June 29 to July 20.		
July 28.	Dredging,	Washington, D. C.	June 29
	Advertised, Eng. News, June 29 to July 20.		
July 29.	Stone, Long Beach,	Mass.	June 29
	Advertised, Eng. News, June 29 to July 20.		
July 29.	Water bonds,	Tucson, Ariz.	July 27
July 29.	Paving and sewers,	Sheridan, Pa.	July 27
July 29.	Road improvement,	Jackson, O.	July 27
July 29.	Paving,	Aspinwall, Pa.	July 27
July 29.	Electric plant,	Jeffersonville, Ind.	July 27
July 30.	Water-works,	Carbon Hill, Ill.	July 27
July 31.	Dredging,	New York, N. Y.	July 27
July 31.	Bridge,	Detroit, Mich.	July 27
July 31.	Dock materials,	New York, N. Y.	July 27
July 31.	Levee work,	New Orleans, La.	July 27
July 31.	Addition to pumping station,	Olean, N. Y.	July 27
July 31.	Guttering,	Newark, N. J.	July 27
July 31.	Removing crib,	Chicago, Ill.	July 27
July 31.	Water bonds,	Davenport, Wash.	July 27
July 31.	Electric plant, frame work,	Chicago, Ill.	July 27
July 31.	Bridge, superstructure,	Appleton, Ont.	July 27
July 31.	Repairing wave wash,	Convent, La.	July 27
July 31.	Ditch,	Leadville, Colo.	July 27
July 31.	Dredging,	Tampa, Fla.	June 29
	Advertised, Eng. News, June 29 to July 20.		
July 31.	River work,	Philadelphia, Pa.	July 6
	Advertised, Eng. News, July 6 to 27.		
July 31.	Removing wreck,	Bath, Me.	July 6
	Advertised, Eng. News, July 6 to 27.		
July 31.	Garbage disposal plant,	West Point, N.Y.	July 13
July 31.	Water-works,	Empire City, Kan.	July 13
July 31.	Removing wreck,	Philadelphia, Pa.	July 13
July 31.	Sewers,	Hackensack, N. J.	July 20
July 31.	Water-works,	Albuquerque, N. Mex.	July 13
	Advertised, Eng. News, July 20 and 27.		
July 31.	Dredging, dam, etc.,	Albany, N. Y.	July 20
	Advertised, Eng. News, July 20 and 27.		
July 31.	Sewer system,	Somerset, Pa.	July 20
July 31.	School building,	Coshocton, O.	July 20
July 31.	Improving pond,	Boston, Mass.	July 20
	Advertised, Engineering News, July 20.		
July 31.	Sewers,	Toledo, O.	July 20
July 31.	Macadam road,	White Plains, N. Y.	July 20
Aug. 1.	Levee work,	Marysville, Cal.	July 20
Aug. 1.	Brick paving,	Sharpsburg, Pa.	July 20
Aug. 1.	Hotel building,	Albert Lea, Minn.	July 20
Aug. 1.	Electric machinery,	Jamestown, N. Dak.	July 20
Aug. 1.	Trunk sewer,	Kingston, N. Y.	July 20
	Advertised, Eng. News, July 20 and 27.		
Aug. 1.	Plans for shops,	Halifax, England	July 6
Aug. 1.	Paving,	Elizabeth, N. J.	July 13
Aug. 1.	Bridges (3),	Elkton, Md.	July 13
Aug. 1.	Electric plant,	Charleston, Ill.	July 13
	Advertised, Eng. News, July 13 and 20.		
Aug. 1.	Eight-inch well,	Blair, Neb.	July 27
Aug. 1.	Paving,	Jersey City, N. J.	July 27
Aug. 1.	Electric plant,	Coffeyville, Kan.	July 27
Aug. 1.	Sewerage system,	Lake City, Minn.	July 27
Aug. 1.	Water tower and tank,	Hillsboro, Ill.	July 27
Aug. 1.	Water pipe,	Albany, N. Y.	July 27
Aug. 1.	Dam,	Erie, Colo.	July 27
Aug. 2.	Paving material,	Cleveland, O.	July 27
Aug. 2.	Pipe sewers,	Berlin, Ont.	July 27
Aug. 2.	Cement,	Little Rock, Ark.	July 27
Aug. 2.	Levee work,	Alexandria, La.	July 27
Aug. 2.	Sewers,	New York, N. Y.	July 27
Aug. 2.	Laying water pipe,	Rome, N. Y.	July 27
Aug. 2.	Cottages,	Sonyea, N. Y.	July 27
Aug. 2.	Jetty,	Washington, D. C.	July 6
	Advertised, Eng. News, July 6 to 27.		
Aug. 2.	Dredging	Portland, Me.	July 6
	Advertised, Eng. News, July 6 to 27.		
Aug. 2.	School building,	Springfield, O.	July 20
Aug. 2.	Drainage ditch,	Kenton, O.	July 20
Aug. 2.	Artesian well,	Darien, Ga.	July 20
Aug. 2.	Plans for court house addition,	Atlanta	July 20
Aug. 3.	Portland cement,	Mobile, Ala.	July 6
	Advertised, Eng. News, July 6 to 27.		
Aug. 3.	Heating, etc.,	Buffalo, N. Y.	July 13
	Advertised, Eng. News, July 13 and 20.		
Aug. 3.	Boiler at water-works,	Yonkers, N. Y.	July 13
	Advertised, Engineering News, July 13.		
Aug. 3.	Altering school building,	New York, N.Y.	July 27
Aug. 3.	Main sewers,	Philadelphia, Pa.	July 27
Aug. 3.	Water-works,	Red Lodge, Mont.	July 27
Aug. 4.	Excavating,	Manitoba	July 27
Aug. 4.	Paving,	Dayton, O.	July 27
Aug. 4.	Pipe sewers,	Buffalo, N. Y.	July 27
Aug. 4.	School work,	Chicago, Ill.	July 27
Aug. 5.	Pier,	Grand Rapids, Mich.	July 27
Aug. 5.	Boiler house, stack, etc.,	Cleveland, O.	July 20
Aug. 5.	Electric plant,	Jackson, Minn.	July 20
Aug. 5.	Addition to school,	Washington.	July 20
Aug. 5.	Macadam paving,	Bowling Green, O.	July 20
Aug. 5.	Addition to almshouse,	Washington, D.C.	July 27
Aug. 5.	School building,	Omaha, Neb.	July 27
Aug. 7.	Electric plant,	Warm Springs, Ore.	July 13
Aug. 7.	Intercepting sewer,	Chicago, Ill.	July 13
Aug. 7.	U. S. building,	Boise, Idaho.	July 13
Aug. 7.	Stone,	St. Augustine, Fla.	July 13
	Advertised, Eng. News, July 13 to Aug. 3.		
Aug. 7.	Hospital building,	Patton, Cal.	July 20
Aug. 7.	School,	Glendale, O.	July 20
Aug. 7.	Jail,	Scranton, Miss.	July 20
Aug. 7.	Water tower,	Lincoln, Neb.	July 20
	Advertised, Engineering News, July 20.		
Aug. 7.	Bridges (5),	Sullivan, Ind.	July 20
Aug. 7.	Artesian wells,	Forman, N. Dak.	July 20
Aug. 7.	Brick paving,	Gallipolis, O.	July 20
Aug. 7.	Laying mains, etc.,	Oconomowoc, Wis.	July 27
	Advertised, Engineering News, July 27.		
Aug. 7.	Artesian wells,	Toledo, O.	July 27
Aug. 7.	Filling,	Toledo, O.	July 27
Aug. 7.	Brick sewer,	Jackson, Mich.	July 27
Aug. 7.	Pipe sewers,	East Liverpool, O.	July 27
Aug. 7.	Curbing,	Washington, D. C.	July 27
Aug. 7.	Water-works,	Hudson, Ia.	July 27
	Advertised, Engineering News, July 27.		
Aug. 7.	Artesian well,	Fort Hunt, Va.	July 27
Aug. 7.	Pumping engine,	Braddock, Pa.	July 27
Aug. 7.	Grading railway,	Bedford, O.	July 27
	Advertised, Engineering News, July 27.		
Aug. 7.	College building,	Lincoln, Neb.	July 27
Aug. 7.	Hospital buildings,	New York.	July 27
No date.	Plans for jail,	Norfolk, Va.	July 27
	Advertised, Eng. News, July 27 to Aug. 17.		

RAILWAYS.

AMERICAN PHOSPHATE CO.—This company will build a standard gage line from the main line of the Nashville, Florence & Sheffield R.R. to its properties at Mount Pleasant, Tenn., where the company has purchased about $120,000 worth of real estate. A plant to cost about $60,000 will be built. H. D. Ruhm, Vice-Pres. and Gen. Mgr., Mount Pleasant; G. F. Blackie, Engr., Nashville, Tenn.

BALTIMORE & OHIO.—This company proposes to build an extension on Water St. across the Union bridge in Pittsburg, Pa., if the necessary permission can be granted. It will be necessary, however, to elevate the tracks. Wm. Gibson, Gen. Supt., Pittsburg.

BRADFORD COUNTY, PA.—Barclay Bros., coal operators, Towanda, Pa., it is stated, will build a line 20 miles long from Canton to Towanda.

BURLINGTON, CEDAR RAPIDS & NORTHERN.—This company is reported to have let the contract for extending its line from Armstrong to Estherville, Ia., to Robt. Elzy. There will be two new stations on the extension. Work has been begun and will be completed Sept. 15.

CAROLINA & NORTHWESTERN.—Press reports state that this narrow gage line will probably change owners in a short time. A line is being built to connect with this one at Lenoir, N. C. Barber & Marion, Chester, S. C.; C. M. Kaylor, Bristol, Va., and Thos. H. White are interested.

CENTRAL NEW YORK & WESTERN.—This company has applied for permission to extend its line between Hornellsville, Wayland and Macedon, N. Y., a distance of 60 miles, to connect with the N. Y. C. & H. R. R. R.

CENTRAL RY. OF BRAZIL.—Bids are asked by this state railway at Petropolis, Brazil, until Aug. 12, for furnishing the following: About 130,800 ft. of steel rails, type C; 8,000 plates for joining rails (4,000 square bores and 4,000 round bores); 15,000 screws for binding; 100,000 chairs; three crossings complete of ⅛; 55 crossings of 1-10; 24 crossings of 1-15; 55 pairs of switches with working apparatus; 20,000 joining plates for rail B (10,000 square bores and 10,000 round bores). Bids must state the elegibility of the manufacturer, term of delivery and the prices. Only bids from well-known firms of undoubted standing will be considered. Dr. Paulo Frontin, Dir., Petropolis, State of Rio de Janeiro, Brazil.

CHICAGO, MILWAUKEE & ST. PAUL.—It is stated that bids for work on the new line to be built by this company between St. Paul, Minneapolis and Duluth, Minn., a distance of 150 miles, are to be in within 50 days, and construction work is to be begun by the end of September. The line will cost $3,000,000, and is to be finished by next summer. W. H. Sheldon, Locating Engr., Chicago; D. J. Whittemore, Ch., Engr., Chicago.

CHOCTAW COAL & MINING.—This company has been incorporated to operate mines and to build a 12-mile line from Shady Point, Ind. Ter., to Red Oak. Capital stock, $100,000. Chas. Sutter, St. Louis, Mo., Pres.; Jos. A. Glynn, Secy., Kansas City, Mo.

CLEVELAND & PITTSBURG.—Bids are asked until Aug. 7 for grading about 9½ miles for the second track and siding between Hudson and Bedford, O., on this line, as stated in our advertising columns. Thos. Rodd, Ch. Engr. Pennsylvania Co., Pittsburg.

COBBOSSEE CONTEE.—Robt. H. Gardiner, formerly President, Boston, Mass., writes us that this proposed railway from Gardiner, Me., to the New Mills freight line has been abandoned.

COLORADO & NORTHWESTERN.—This company is making surveys for an extension of its line northwest from Ward, Colo., to Hahn's Peak district, Colo.

COMPANIA SAUTENA.—U. S. Consul Griffith, Matamoros, Mex., writes under date of June 3, that the Compania Sautena has been granted, by the Mexican Govern-

ment, a concession to build a branch railway from Matamoros, Tamaulipas, to Monte Morelos, connecting there with the Mexican Gulf R. R. The subsidy which the concession carries is $8,000, and a further assurance that the company has $3,000,000 in cash will render the proposed construction easy.

CUBA.—Press reports states as follows: Gen. A. C. Greenwood, of New York, has petitioned President McKinley for authority to go ahead with the construction of railways and other needed improvements on the islands of Cayo Romano and Cayo Cruz, north of Puerto Principe, Cuba, which a syndicate that he represents has purchased. According to Gen. Greenwood, Cayo Romano is 91 miles long by 18 wide, and Cayo Cruz is 14 miles long and 11 wide. The land has fine grazing and agricultural possibilities, and also has some valuable mines. Gen. Greenwood is the head of the proposed Cuban Central R. R. from Santiago to Santa Cruz, with connections for Havana and all the main harbors of the island. The concession for building the road, it is said, was obtained from Gen. Leonard Wood and Gen. Lawton before Gen. Brooke was made Military Governor of Cuba. The survey and plans for the line have been made and the money has been raised for putting the road through. ——A New York company will build a railway from Santiago to Manganilla, about 100 miles, through a sugar producing country. The engineer is Harry O. Robinson, of Bangor, Me.

CUBAN STEEL ORE.—Paul S. King, 124 East 23d St., New York, N. Y., has been engaged by this company to construct a line from its harbor at Chirivico, Cuba, to its mines in the interior of the province, a distance of six miles.

DAVENPORT, ROCK ISLAND & NORTHWESTERN.—We are informed that no bids were received by this company at its offices, 301 West St., Davenport, Ia., for furnishing 500,000 ties for its proposed line. H. B. Schuler, Pres.

DUTCH EAST INDIES.—Press reports state that the government of the Dutch East Indies will let a contract for the construction of a steam railroad on the island of Lombak. Foreign contractors will have the privilege of figuring on the undertaking by making application for particulars to the authorities at an early date.

EAST LOUISIANA.—Efforts are being made to have this line extended through Washington Parish, La., from Covington. Address F. B. Hayne and N. G. Pearsall.

FORMOSA.—The Communication Department at Tamsui, Formosa, Japan, it is reported, is in the market for rails and bridge materials for proposed lines in this island.

GULF & BRAZOS VALLEY.—A D. Emerson, Mineral Wells, Tex., writes us that the line will start from Byersville, and pass through Squires Mill, Jackboro, Knoxville, Mineral Wells, Peck City, Alexander, Lampasas to Llano, Eagle Pass and Galveston, Tex. The line will be 400 miles long. About 200 miles have been surveyed; the right of way of 40 miles obtained; 30 miles graded and 10 miles ready for operation. W. A. Squires, Pres.; H. M. Berry, Ch. Engr.

GULF & MANITOBA.—This company has been incorporated to build a line in Minnesota; capital stock, $50,000; incorporators, J. K. Brown, Jackson, Minn.; E. E. Carpenter, Canton, S. Dak.; J. J. Bell, Des Moines, Ia.; J. A. Carpenter, Alvan, Ill.

KANSAS MIDLAND.—It is reported that surveys for an extension of this line from Wichita, Kan., to Pawnee and South McAlester, Ind. Ter., will be begun about Sept. 1. This will give the line a total of 516 miles. About $600,000 is said to have been subscribed in this country and in Holland, A. L. Wolf, Receiver, Wichita; J. A. Caldwell, Louisville, Ky., and W. H. Arnold, South McAlester, Ind. Ter., are interested.

KANSAS & SOUTHERN.—This company is making surveys, and also has graders at work, for its proposed road from Blaine, on the L., K., & W. Ry., to Westmoreland, Kan., a distance of nine miles.

KIOWA, CHICKASHA & FORT SMITH.—This company has been incorporated to build a line about 450 miles long in Kansas, Oklahoma and Arkansas. Capital stock, $2,000,000. M. A. Low, E. Wilder and W. W. Hurd, of Topeka, Kan., are interested.

LEHIGH VALLEY.—This company, it is reported, has under consideration the question of building a loop from Picton through Plainfield, N. J., and back to the main line at either Oak Tree or South Plainfield, N. J.

LIGONIER VALLEY.—Press reports state that the Allen-Byers syndicate, of New York, will extend this line to Somerset, Pa., connecting the Pennsylvania system with that place. Originally the road was to be extended seven miles beyond Laurel Hill, because of the proposed developments of stone and sand property there. Eventually the road is to be continued southeast to Cumberland, Md. Valuable timber tracts are along the proposed extension.

LOUISVILLE & ATLANTIC.—This company has been incorporated, with a capital stock of $2,000,000, to operate the Richmond, Nicholsville, Irwin & Beattyville line, recently sold by order of the Federal Court; incorporators, Geo. McLeod, Louisville; Jas. B. Cory, Richmond, Ky.

LOUISVILLE & NASHVILLE.—R. Montfort, Ch. Engr., Louisville, Ky., writes us that the company does not contemplate an extension of its line to Manchester.——Mobile papers state that the company will improve its terminal in Mobile, Ala.

MARSHALL, COLUMBUS & NORTHEASTERN.—This company has let the contract for building the line from Marshall, Mich., to Bay City, to John Seymour, of Hudson, Mich.; H. E. Hollon, Pres.; Chas. Sawyer, Ch. Engr.

MEXICO.—Press reports state as follows: The following roads will be in the market for track material; in many instances the orders will be placed through New York representatives or export houses: The Jalapa & Cordoba R. R. is to build additional lines from Teocelo to Cordoba, about 60 miles, and E. A. Marr, Mgr., at Jalapa, Vera Cruz, Mex., is to make the purchases; the Mexican Southern Ry., W. Morcom, Gen. Mgr., Puebla, Mex., is to build a branch from Oaxaca to Yutla; the Rio Grande, Sierra Madre & Pacific is contemplating an extension of 68 miles into the Sierra Madre Mountains, and J. Fewson Smith, at Casas Grandes, Mex., will have charge of its construction. By Sept. 1 the Vera Cruz & Pacific will let contracts for an additional 125 miles of road to be built south of Motzorengo; Sheldon T. Bent, Ch. Engr., is to place the contract. Many other small branches are constantly being added to existing roads.

MILWAUKEE, BENTON HARBOR & COLUMBUS.—This company, which recently purchased the franchise rights of the Benton Harbor & Southwestern R. R., has petitioned the council of South Bend, Ind., that the latter franchise be extended to July 15, 1900. An effort is being made to enlist eastern capital in the building of the line to South Bend with an eastern terminal at Adrian.

MILWAUKEE TERMINAL & SOUTHWESTERN.—This company has made surveys for a line from Milwaukee, Wis., to Rock Island, Ill., a distance of 200 miles. The company recently applied for a franchise in Milwaukee. D. M. Edgerton, Pres.

MINNEAPOLIS, ST. PAUL & SAULT STE. MARIE.—Press reports state that Jas. Devereux has begun work on his contract to build 15 miles of the proposed 30-mile extension from Rapid River, Wis., to the north; the Milwaukee Bridge Co. has the contract for the other 15 miles.

MISSING LINK.—This company has applied for a charter for a road in Catoosa county, Ga., to cost about $3,000,000. This line will be about 150 miles long and will begin at the state line in Catoosa county and extend to Walhalla, passing through Catoosa, Whitefield, Murray, Fannin, Union and Towns counties. Col. W. L. Albright, Ringgold, Ga., is interested.

MOBILE, JACKSON & KANSAS CITY.—This company, it is reported, will begin the construction of certain extensions to its line near Mobile, Ala., about Oct. 1. F. B. Merrill, Pres.

MOBILE & WEST ALABAMA.—Efforts are being made to begin the construction of this proposed line soon. Judge H. Austill, Mobile, Ala., may be addressed.

NATIONAL YUCATAN SOUTHEASTERN.—It is stated that contracts will soon be let for building this line, known as the Campanie de las Ferrecarsites Sud Orientales de Yucatan. The line will be about 350 miles long. Contracts for some of the rolling stock has already been let. Felipe G. Canton, Purchasing Agent, 29 Broadway, New York.

NORFOLK & WESTERN.—It is stated that this company wants to secure an entrance into Memphis, Tenn., and proposes to do considerable construction work in East Tennessee.

NORTHERN PACIFIC.—Chas. S. Bihler, Div. Engr., Tacoma, Wash., writes us that the contract for a 22-mile extension from Palmer to Auburn, Wash., has been let to Henry & Bennett. Work has just been begun.

NORWAY.—A report from Washington, D. C., states that in answer to inquiries from correspondents in the United States, Consul Nelson, of Bergen, writes that bids for railway supplies for state railroads in Norway should be addressed to Styrelson for Statsbanernas Drift og Anlaeg, Christiania.

OKLAHOMA CITY & WESTERN.—This company has been incorporated with a capital stock of $3,000,000 to build a line 130 miles long from a point on the St. Louis & San Francisco Ry., near Oklahoma City, Okla., in a southwesterly direction through Oklahoma, Cleveland and Canadian counties in the Chickasaw nation, the Apache, Kiowa and Comanche Indian reservation and Greer county to a point on the Red River on the southwest line of Greer county, Okla. The company is capitalized at $3,000,000 and the following directors, all of Oklahoma City, are named: C. G. Jones, H. Overholser, F. H. Thwing, E. Overholser and D. C. Lewis.

PAWNEE & ARKANSAS VALLEY.—This company has been incorporated with a capital stock of $100,000 by C. W. Rambs, W. C. Horton, John R. Skinner and others, of Pawnee, Okla.

QUINCY, CARROLLTON & ST. LOUIS.—This company is reported to have decided to extend its line to Quincy, Ill. Thos. Francis and W. P. Kennett, Pres., Merchants Exchange, St. Louis, Mo., are interested.

RANDSBURG.—Press reports state that W. L. Woodward, Pres. Company, Los Angeles, Cal., has secured capital for the building of a line from Flagstaff, Ariz., to the Grand Canyon of the Colorado, a distance of about 35 miles. The road for the most part passes through a comparatively level country, but some difficult engineering feats will have to be figured on.

SAN ANTONIO & BROWNSVILLE.— This company has been incorporated with a capital stock of $275,000 to build a line from San Antonio to Brownsville, Tex., a distance of 275 miles. Chas. Hugo, Frank Grice, F. W. Cook, Jr., of Bexan county, Tex., and others are interested.

SANTE FE & GRAND CANYON.—J. H. Richards & Son, of Holbrook, Ariz., have contract for the first 15 miles of the line from Williams north. The preliminary survey has been completed to the Grand Canyon of the Colorado River, 65 miles, and contracts will soon be let for an additional 15 miles of road. L. W. Goode, Pres., 11 Broadway, New York; P. F. Randall, Ch. Engr., Williams, Ariz.

SHADY VALLEY.—J. W. Lockhart, Bluff City, Va., has completed surveys for six miles of this proposed line from Damascus, Va., up Beaver Dam Creek to Johnson county, Tenn. Wm. McGovern, of Bristol, Va., and R. E. Donnelly, Johnson county, are interested.

SMITHFIELD & MASONTOWN.—This company has been incorporated in Fayette county, Pa., with a capital stock of $110,000. The line will be 11 miles long, and will extend from a point on the Fairmount, Morgantown & Pittsburg R. R., near Smithfield, to a point near Masontown, Pa.

SOUTHERN.—Chief Engineer Wells has begun preliminary surveys for the proposed extension of this line from Chatanooga, Tenn., to Stevenson, Ala. This extension will require the construction of a tunnel through Lookout Mountain at a cost of about $1,000,000.

SOUTH POTOMAC.—B. J. Baker, Petersburg, W. Va., writes us that nothing has been done yet towards building this proposed line through Romney, Moorefield, Petersburg, etc., except to secure a charter.

TENNESSEE.—R. Z. Taylor, Clk. Chancery Court, Trenton, Tenn., writes us that it is proposed to complete a line in Gibson county. It is partially graded and capital is wanted to build and equip the same.

TENNESSEE, EASTERN & WESTERN.—Edwin Wood, Pres., Murfreesboro, Tenn., writes us that the line will be 355 miles long, and will have 45 miles of sidings. It will start from Memphis, Tenn., and go through Boliver, Henderson, Decaturville, Woodbury, etc. The right of way has been secured. Capital stock, $12,000,000; bonded $12,000,000 for 50 years. Geo. D. Wood, Secy., Joliet, Ill.

TEXAS & PACIFIC.—H. P. Mobberly, Asst. Engr., New Roads, Tex., writes us that this company is building a branch line from Baton Rouge, La., to New Roads, a distance of 25 miles. Grading let to the Grigsby Construction Co., of Marshall, Tex. Work is comparatively light, running about 8,000 cu. yds. per mile.

UNION PACIFIC.—Press reports state that this company has decided to double track its Omaha-Ogden line. J. B. Berry, Ch. Engr., Omaha, Neb.

UNITED STATES MINING.—Press reports state that this company has made surveys for a line across Canyon from its mill site near Bingham Junction, Utah. Col. E. A. Wall, Salt Lake City, Utah, is interested.

UTAH.—Wm. J. McIntyre and J. A. Cunningham, of the Sunbeam mine, and H. S. Joseph, of the Lower Mammoth mine, near Robinson, Utah, and others, propose to build a line around the Grand Central mine.

WISCASSET & QUEBEC.—Press reports state that the executive board of directors of the Waterville Trust Co. has taken action whereby the company gets possession of this road. The immediate cause for this step is the inability of the company to pay the interest on the $360,000 issue of bonds of 1886, of which the Waterville Trust Co. is the trustee. The road will be leased to its present management by the trust company.

WYOMING & SOUTHERN.—This company, recently incorporated, is said to have let the contract for grading and bridge work from Fort Steel, Wyo., where the line will connect with the Union Pacific Ry., to Wyoming-Colorado state line, via Saratoga and Grand Encampment, a distance of 70 miles. The contract calls for the completion of the work by Jan. 1. It is proposed to extend the line to Steamboat Springs, Colo., in the near future.

STREET AND ELECTRIC RAILWAYS.

AUGUSTA, ME.—All bids have been rejected and new ones are called for a tramway from the wharf to coal pocket, 1,340 ft., rise 150 ft., for the Maine Insane Hospital. The contract for the asphalt roof to coal pocket, 100 x 120 ft., has been awarded to the New Jersey Steel & Iron Co.

NASHUA, N. H.—The Nashua St. Ry. Co. proposes to extend its line from Kinsey St. to the Nashua Driving Park.

NORTHAMPTON, MASS.—Press reports state that Edward A. Sheehan, H. E. Barnet and J. B. O'Donnell are reported as interested in a proposed line from here to Holyoke. Engineer Kirkpatrick, of Holyoke, Mass., is making a survey.

SOUTHBRIDGE, MASS.—The selectmen will grant a franchise to the Southbridge & Charlton Electric Ry Co., which proposes to build a line to Charlton Depot. W. H. Howard and Jno. J. Bowlen are interested.

STOUGHTON, MASS.—The Brockton, Canton & Dedham St. Ry. Co. has been granted a franchise.

STOUGHTON, MASS.—The Blue Hill St. Ry. Co. has been incorporated to build a line from the terminus of the Brockton St. Ry. in Stoughton through Sharon, Canton and Milton to the line separating Milton from Boston and Milton from Hyde Park; capital stock, $150,000; incorporators: Chas. A. Stone, E. J. B. Huntoon, W. E. C. Swan, E. S. Webster.

DUNKIRK, N. Y.—The Dunkirk & Point Gratiot Traction Co. has been incorporated with a capital of $25,000, by J. C. Haggett, W. Bookstaver, of Dunkirk; S. F. Nixon, Westfield, N. Y., and F. R. Green, of Fredonia, N. Y.

GLENS FALLS, N. Y.—The Warren County Ry. Co. is making surveys for its proposed electric line from Caldwell to Warrensburg. Jos. A. Powers, of Lansingburg, N. Y., is interested.

LOCKPORT, N. Y.—The Buffalo & Lockport Ry. Co. has applied for permission to extend its line in several streets. Caryl Ely, Pres.

NIAGARA FALLS, N. Y.—L. W. Serrell, Plainfield, N. J., it is reported, will begin the construction of the proposed electric line in about five weeks.

ROCHESTER, N. Y.—Local papers state that work on the proposed Sodus Bay electric road will begin in about 30 days. A 1,500 ft. pile bridge will have to be built across Irondequoit Bay. Address Le Grand Brown, Ch. Engr., or General Manager Nicholl, of the Rochester Ry.

UTICA, N. Y.—The Sanquoit Valley Electric R. R. Co. has applied for a franchise on the East Side. The company it is said, will build a line to New Hartford.

YONKERS, N. Y.—The Union Trolley Co. has applied for permission to extend its line for 12 miles along the Sawmill Pines and Tuckahoe roads.

JERSEY CITY, N. J.—The Rockaway River & Montville R. R. Co. has been incorporated at 1 Exchange Place, Jersey City, with a capital of $30,000 by Michael K. Kennedy, Brooklyn, N. Y.; Henry Belden, New York City; Lewis Van Duyne, Boonton, N. J.; Edwin F. Smith, Jersey City, N. J.; James P. Northrup, North Plainfield.

NEW BRUNSWICK, N. J.—The New Brunswick Traction Co. has been granted a franchise in Sayreville. This will allow the company to complete a line so that direct connections by trolley can be made between Somerville and South Amboy.

ALLENTOWN, PA.—The Lehigh Engineering Co. has completed surveys for the proposed route of the Allentown & Slatington St. Ry. Co. The road will be 17 miles long.

PHILADELPHIA, PA.—Chas. McCaul has plans for the construction of a power station and car barn for the Philadelphia, Morton & Swarthmore St. Ry. Co. at Folsom. The plans and specifications were prepared by Axel H. Engstrom. The buildings include an engine house, 38x72 ft.; boiler house, 40x49 ft.; and a car barn, 48x200 ft.

PITTSBURG, PA.—The Lawrenceville Terminal R. R. Co. has been incorporated with a capital of $5,000 by C. S. Guthrie, Pittsburg, Pa.; F. L. Clark, of Sewickley; T. A. Palmer, of Smyrna, Pa.

WILLIAMSPORT, PA.—Local papers state that E. A. Tennis, of the Tennis Construction Co., of Philadelphia, has secured control of the Lewisburg, Milton & Watsontown Electric Ry. and it is stated will build a line 18 miles long to connect with Montoursville, making a line extending from Williamsport to Lewisburg.

WASHINGTON, D. C.—The Stevens syndicate, owners of the Washington Traction & Electric Co., has secured control of the Kensington & Chevy Chase R. R., and, it is reported, will extend it to Garrett.

FREDERICK, MD.—Capital, etc., is being secured for the construction of the proposed Frederick, Thurmont & Northern Electric Ry. to cost over $400,000. Col. L. Victor Baughman may be addressed.

ROCKVILLE, MD.—It is stated that steps will be taken at once for the immediate construction of the proposed extension of the Washington & Rockville Electric Ry. to this place. Frederick C. Stevens and Chas. T. Leib are interested.

SAVANNAH, GA.—Local papers state that the Savannah, Thunderbolt & Isle of Hope Ry. Co. will extend its line to Warsaw and develop the island there as a pleasure resort. Address General Manager Lofton and Director J. S. Collins.

HUNTSVILLE, ALA.—It is stated that work will soon be begun on the proposed line for the Huntsville Electric Ry. Co. Contracts for the rails have been let. T. C. Du Pont, Pres.; John H. Waters, Treas.

CHATTANOOGA, TENN.—Local papers state that Hambleton & Co., Baltimore, Md., will consolidate the street railway and incline railway properties in this city and will spend about $300,000 in developing them.

AKRON, O.—Press reports state that the Northern Ohio Traction Co. will soon begin improving its power house here at a cost of about $100,000. Other improvements to the lines will also be made. This company is the consolidation of the Akron Traction & Electric and the Akron, Bedford & Cleveland R. R. companies. The incorporators are Henry A. Everett, Charles W. Wason, Edward W. Moore, and others. Capital stock, $3,000,000.

DEFIANCE, O.—Press reports state that W. V. Coons, of the Defiance Light & Ry. Co., proposes to organize a company to build a line to connect this city with other towns in the state.

DOYLESTOWN, O.—A. F. Townsend has asked the village to raise $20,000 towards the construction of a line from Barberton to Easton, passing through this place. Estimated cost, $175,000.

STEUBENVILLE, O.—The council is considering bids received July 25 for the purchase of a franchise in this city and for its connection with Mingo Junction. Address Councilmen Gallagher and Dillon.

TOLEDO, O.—We are informed that S. F. Angus, W. B. Comstock and others of Detroit, have been working for some months on right of way and franchises for an electric railway between Toledo and Norwalk, O., running through Genoa, Woodville, Freemont, Monroeville, Clyde and Bellevue. Franchises are all completed and right of way is secured for the entire distance. Construction will be commenced within three weeks. Riggs & Sherman, Engrs., The Nasby, Toledo.

INDIANAPOLIS, IND.—The Broad Ripple Traction Co. has been incorporated with a capital stock of $100,000. John B. Warner, Pres.; John I. Burnett and Elbert B. Peck are interested.

WABASH, IND.—The Kokomo, Wabash & Northern R. R. Co., it is stated, has petitioned the county commissioners to call an election for the people to vote on the question of issuing $45,000 in bonds to assist in the construction of the proposed line between Wabash and Kokomo.

ANN ARBOR, MICH.—The Ann Arbor & Jackson Electric Ry. Co. will build its proposed line this fall or next spring from this city to Dexter.

BAY CITY, MICH.—Michael P. Heraty, Philadelphia, and J. C. Weadock, Bay City, have been appointed receivers for the Bay Cities Consolidated St. Ry. Co., according to reports. The receivers will proceed with the construction of the proposed improvements to cost about $120,000.

LANSING, MICH.—G. A. Bullard, of Marshall, Mich., writes us that the proposed line between Lansing and Coldwater will not be built as investigation has proved that it would not pay.

SAGINAW, MICH.—It is stated that surveys are to be made and all the preliminaries arranged for building the Saginaw & Frankenmuth electric road early in the spring. The franchise has been secured the entire length of the road.

BELLEVILLE, ILL.—The St. Louis & Belleville Traction Co. has been incorporated to construct a line from the east end of Belleville to and through East St. Louis, Ill., and from Collinsville, Ill. to French Village; capital stock, $1,500,000; incorporators, John A. Day and C. R. Barrett, of Belleville, and Z. W. Tinker and Geo. J. Kobusch, of St. Louis, Mo.

CHICAGO, ILL.—The Chicago & Desplaines Electric Ry. Co. proposes to construct about 45 miles of line this fall. E. A. Cummings is interested.

WAUKEGAN, ILL.—Press reports state that the Chicago & Milwaukee Electric Ry. has had recorded a mortgage of $1,500,000 to cover funds secured to extend its line from Highland Park to Evanston. When the new extension is completed work will begin in double-tracking the older part of the line from Highland Park to Waukegan. Franchises for these extensions will soon be asked.

MINNEAPOLIS, MINN.—E. T. Abbott, it is stated, is making a survey for an extension of the Twin City Rapid Transit Co.'s line to Minnetonka. Thos. Lowry, Pres.

JOPLIN, MO.—Press reports state that New York financiers have formed a syndicate to unite with the Southwest-Missouri Electric Ry. Co. to extend the inter-urban service to Central City, Empire, Duenweg, Oronogo, Neck City and other mining camps in the Missouri-Kansas zinc belt. The Southwest Missouri covers a distance of 34 miles. The road is to be standard gage and will be used for freight as well as passenger traffic.

ST. JOSEPH, MO.—The Lake View Ry. & Land Co. has been incorporated with a capital stock of $50,000, to maintain and operate street railways, by W. T. Van Brunt, J. Donovan, Jr., and C. E. Roehl.

TACOMA, WASH.—Local papers state that work on the proposed Tacoma-Seattle Ry. will be begun inside of 30 days. Henry Bucey, Pres.

OREGON CITY, ORE.—G. C. Fields, of the East Side Ry. Co., has been granted a franchise for a line ' Canewah.

PASADENA, CAL.—It is stated that the Pasadena Terminal Co. will soon begin the construction of its electric railway loop.

SAN DIEGO, CAL.—Graham E. Babcock, Pres. San Diego, Pacific Beach & La Jolla Ry. Co., writes us that the company is now equipping the line with electricity. It will be 15 miles long.

BERLIN, ONT.—A line is to be built between this city, Port Dover and Ayr. D. W. McNair, of New York, N. Y., and J. S. Clark, of Ayr, are interested.

ST. CATHARINES, ONT.—F. A. Cheney, Gen. Mgr., St. Catharines & Niagara Central Ry. Co., writes us that no extension has yet been commenced. The company is waiting for a new charter, which it is expected to get soon. The name of the company will also be changed to the Niagara, St. Catharines & Toronto Ry. Co.

TAMPICO, TAMAULIPAS, MEX.—T. B. Richards, Elect, Engr., Tampico, has applied to the authorities of the State of Tamaulipas, for a concession for exemption from State taxation for a term of years on an electric light plant and street railway which he proposes to establish at Tampico. Should matters be satisfactorily settled, it is stated that Mr. Richards will be in the market for everything in connection with the undertaking.

MATANZAS, CUBA.—Arrangements are being made by A. W. Bishop and Matthew Slush, of Racine, Wis., for the construction of the proposed electric line in this city and from here to Cardenas, a distance of 30 miles.

MAGDEBURG, GERMANY.—Press reports state that the city is now constructing the proposed electric line.

ELECTRIC LIGHT AND POWER.

FULTON, N. Y.—Barnes & Payton, Troy, N. Y., have been awarded the contract at about $12,000 for installing a plant in the buildings of the Nestle Food Co.

NORTH TONAWANDA, N. Y.—The following submitted bids, July 18, for public lighting: The Tonawanda Power Co., the Tonawanda Gas Light Co., and the Welsbach Street Lighting Co. of America. Eugene Walt, Cy. Electrician.

SYRACUSE, N. Y.—The Syracuse Electric Light & Power Co. is extending its power house. The extension will be 70 ft. wide and 100 ft. long; one story structure, having brick side walls and steel framework. The steel framework is arranged to carry two traveling cranes over the dynamos and engines. The Berlin Iron Bridge Co., East Berlin, Conn., has the contract to design, furnish and erect the steel work in this extension.

PATERSON, N. J.—The aldermen have voted to award the contract for public lighting to the Paterson & Passaic Lighting Co., a newly incorporated company.

GREENCASTLE, PA.—N. J. Mitchell has been granted a franchise for a plant.

MARCUSHOOK, PA.—The council has not yet awarded the contract for city lighting, although the present contract with the company expires Aug. 10.

YORK, PA.—The York Light, Heat & Power Co., is reported to have let contracts for improvements to its plant. C. C. Frick, Secy. and Treas.

BALTIMORE, MD.—Col. I. F. Lang, Supt. Pub. Buildings, is considering plans for electric-wiring and fixtures for the city hall. The building will have 875 10 c. p. lights. Bids will probably soon be asked. Estimated cost, $4,000.

PULASKI, VA.—John T. Loving, Mayor, writes us that the time for receiving bids for the proposed plant has not been set, but it will probably be between Aug. 20 and 30. The plant will have 23 1,200 c. p. arc and 50 c. p. incandescent lights and will cost about $9,000. W. G. Wall, of Smith, Courtney & Co., Richmond, is the engineer.

PARKERSBURG, W.VA.—The question of owning a plant is being considered by the city. Address Councilman T. L. Shields.

GREENSBORO, N. C.—This place voted July 18, to issue $25,000 in bonds for a plant. J. S. Michaux, Cy. Clk.

REIDSVILLE, N. C.—The town commissioners are reported as wanting estimates for a new plant.

ALBANY, GA.—It is stated that a syndicate is being formed with a capital stock of $50,000 to develop the water power of Kinchafoonee Creek.

CULLMAN, ALA.—Bids are asked until Aug. 14 for furnishing the materials and for constructing a plant and water works to cost about $35,000. J. F. Beyer, Mayor.

EVERGREEN, ALA.—J. M. Sims, Mayor, writes us that no definite steps have yet been taken towards the erection of a plant and water works.

JEFFERSONVILLE, IND.—Bids are asked by the council light committee until 10 a. m. July 29, for constructing a plant to cost about $40,000. The Wayne Construction Engineering Co., Fort Wayne, Ind., has withdrawn its bid, on which the city had intended to award the contract. Bids for lighting the city for 10 years with 100 arc lights will also be received. Check, $500.

GRAND RAPIDS, MICH.—New plans for the proposed water power improvement to cost about $250,000 are to be prepared by Dayton engineers. Address Messrs. Rowe, Spooner and Voigt.

NORTHVILLE, MICH.—This place voted July 17 to issue $27,500 in bonds for a plant.

CHICAGO, ILL.—Bids are asked until July 31 for the iron and steel work for the R. A. Walker municipal plant. L. E. McGann, Comr. Pub. Wks.

GREENUP, ILL.—Bids were received July 25 for furnishing the materials and for constructing a plant. J. C. Piper, Engr., Soldiers & Sailors Monument, Indianapolis, Ind.; W. H. Cunningham, Clk.

SPARTA, ILL.—Press reports state that Webster B. Stockton has been appointed receiver for the Illinois Fuel & Power Co. Application was made by the Farmers' Loan & Trust Co. of New York. Interest amounting to $120,000 is due on the first and second mortgage bonds.

MILWAUKEE, WIS.—Alderman Henry Smith has introduced a resolution authorizing the issuance of $150,000 in bonds for a municipal plant.

WAUPUN, WIS.—This place voted July 13 to issue $12,000 in bonds for a plant.

KEOKUK, IA.—The question of developing the Des Moines Rapids water power at a cost of about $1,500,000 is being considered. O. W. Richardson, Ch. Engr. Imperial Electric Light & Power Co., 10th and St. Charles Sts., St. Louis, Mo., has given data.

SIBLEY, IA.—The question of building a plant is being considered, according to reports.

DULUTH, MINN.—The committee, it is stated, will recommend the awarding of a temporary contract for public lighting, to discontinue when the proposed municipal plant is completed, work on which will probably begin within a year. J. H. Crowley, Chn. Light and Water Com., writes us that no action had been taken by the council up to July 17, calling for an election on the question of issuing bonds, nor will there be any for a few months yet, as it is proposed to frame a new city charter and submit both at once to the people.

EDGEMONT, S. DAK.—A company which is building a plant for preserving railway ties, at a cost of $65,000, proposes to put in an electric plant for its establishment as well as for the town. G. W. Rhoades, Asst. Supt.

BIG TIMBER, MONT.—C. T. Busha and E. O. Clark have been granted a 30-year franchise for operating a plant. It is said that the contract for the machinery has been let.

COFFEYVILLE, KAN.—Bids are asked until Aug. 1 for furnishing the materials and for constructing a plant. Owen Ford, Engr., 710 Security Bldg., St. Louis, Mo.; E. E. Wilson, Chn. Com.

KANSAS CITY, MO.—Walter F. Wyman, representing a company, has applied for a 30-year franchise for a plant by which it is proposed to furnish cheap lights. The city is to have the privilege of buying the plant at expiration of franchise.

HOUSTON, TEX.—Alex. Potter, 137 Broadway, New York, has submitted plans for the proposed plant of about 300 or 500 arc light capacity. The council is reported to have adopted the plans and to have called for bids for the construction. Edward McGowan, R. L. Jones and W. A. Childress are on the committee.

WOODBURN, ORE.—J. B. Kurts, of Portland, Ore., has been granted a 30-year franchise for a plant and water works to cost about $10,000, according to reports.

FORT POINT, CAL.—The following bids were received July 7 for furnishing and installing plants here; all of San Francisco; Maj. C. E. L. B. Davis, U. S. Engr., San Francisco:

Bidder.	Plants No. 1.	No. 2.	No. 3.
California Electrical Works	$4,350	$1,821	$3,707
Parke & Lacy Co.	4,055	1,635	3,455
Wybro-Hendy Co.	3,822	1,642	3,350
San Francisco Iron Works	4,637	1,893	4,093

SAN BERNARDINO, CAL.—J. J. Hanford, Mayor, writes us that this city is contemplating a change in its lighting and also of putting in its own plant; population 9,000. Mayor Hanford wants figures for a plant suitable for a city of 15,000 or 20,000. Duplicate engines and boilers to be run by fuel (oil) which is the cheapest here, with necessary dynamos, the city wired and poled; engines large enough to develop not less than 250 or 300 HP., or perhaps more. The city wishes to include an electric railway through principal streets, and wants everything up-to-date of latest design. Either separate figures on each proposition, viz.: Electric plant such as described; also figures on railway about 10 or 12 miles long, with cars enough to run a 10-minute service.

SANTA MONICA, CAL.—The Santa Monica Electric & Power Co. will hold a meeting Sept. 12, to consider the question of issuing $50,000 in 5% bonds for enlarging the plant. J. J. Davis, Secy.

VALPARAISO, CHILI.—Press reports state that the Compania Luz Electrica de Punta Arena is to duplicate its plant in order to furnish power to light the streets of the city. The existing electric plant was furnished by the Westinghouse Electric & Mfg. Co. in September, 1898, and is only sufficient to light the dwelling houses and stores.

NEW COMPANIES.—Fix River Electric Light & Power Co., Ottawa, Ill.; $10,000; L. W. Merrifield, T. W. Burrows.

Armstrong Electric Co., Kittanning, Pa.; to supply heat, light and power; $1,000; A. B. Norton, Altoona, Pa.; S. Lutz, Kittanning, Pa.

The M. W. Simons Light & Power Co., Plymouth, Ind.; $30,000; Millard W. Simons, Rollo B. Oglesbee.

Jeffersonville Light & Power Co., Jeffersonville, Ind.; $9,500; J. C. Knight, L. A. Ivens. The company will erect the electric light plant.

Home Telephone & Electric Co.; $10,000; Thos. B. Lee, John S. Scully, Jr., John E. Black.

Cape Fear Power Co., Lockville, N. C.; $475,000; W. M. Morgan, Durham, Pres.; J. S. Carr, Durham, Vice-Pres.; R. P. Gray, Greensboro, Secy. and Treas. The company will build a plant on the Cape Fear River. Industrial plants will be established and an electric plant installed for furnishing electric power to the surrounding towns, Raleigh, Fayetteville and Durham.

Coon Rapids Power Co., Minneapolis, Minn.; $200,000; to build a plant on Coon Rapids; Thos. Lowry, C. G. Goodrich, of St. Paul, Minn.

BRIDGES.

MACHIAS, ME.—We are informed that the rift made in the dyke by the tidal wave last winter is to be spanned by a steel bridge to be constructed and used by the Washington County R. R.

HILLSBORO BRIDGE, N. H.—The following bids for a new bridge on Henniker Road were received July 11: Berlin Iron Bridge Co., lowest bidder for steel bridge, $5,200; A. A. Harrington, for wooden bridge, $2,400; E. O. Getchell, stone work repairs, $700.

PLYMOUTH, MASS.—Press reports state that the county commissioners have passed resolutions for the construction of two bridges, one to span the North River between Marshfield and Norwell, the other to be built across the Taunton River at Titicut.

CORNING, N. Y.—Bids are asked until Aug. 7 for the painting of three bridges, as described in our advertising columns. W. T. Smith, Chn. Pub. Impts. Com.

LOCKPORT, N. Y.—Reports state that plans for a bridge over the canal at Chapel St. are being prepared by the State Superintendent of Public Works, Albany.

ROCHESTER, N. Y.—Press reports state that the Rochester & Irondequoit R. R. Co. has asked for permission to issue certificates for two permanent bridges over the East Side Boulevard track, near Summerville, to cost $32,000.

ROCHESTER, N. Y.—It is stated that the Seneca Park committee of the board of park commissioners has approved the plan for a bridge across the lower river to connect the Ridge Road east and west. Commissioners Brown, Kondolf, McQuaid, Graham and Moore compose the committee.

CAMDEN, N. J.—Reports state that the contract for the erection of a bridge across Newtown Creek has been awarded to Ryan & Kelley, of Philadelphia, who have also a contract for grading and excavating along the line of the Camden, Gloucester & Mt. Ephraim R. R.

JERSEY CITY, N. J.—It is stated that the North Jersey St. Ry. Co. is negotiating for the construction of a bridge across the Newark & New York R. R. cut at Jackson Ave.

PATERSON, N. J.—Local reports state that the Committee on Main St. Bridge of the Board of Chosen Freeholders has received plans from Dean & Westbrook, New York; Lambert Strong, of Passaic City; Keepers & Thacher, King Bridge Co., of Cleveland, O., and Frank R. Long, New York, for the proposed bridge on Main St.

READING, PA.—It is reported that the construction of a bridge across the tracks of the Philadelphia & Reading Ry. Co. is being considered.

SELINSGROVE, PA.—It is reported that a wagon bridge will be erected across the Susquehanna River, making Sunbury and Shamokin Dam the termini, to cost $125,000.

WEST BRADDOCK, PA.—Press reports state that the Monongahela St. Ry. Co. will construct a viaduct from West Braddock Bridge to Hilltop above Rankin. The viaduct will span the tracks of the Pittsburg & Lake Erie and Baltimore & Ohio railroads, the United Traction Co. and Braddock and Kenmawr Aves. and Baltimore St.

WILLIAMSPORT, PA.—Reports state that the following bids were received by the county commissioners last week for the erection of three bridges: Bridge over Mosquito Creek, in Armstrong township, Massillon Bridge Co., $899; bridge over Plunketts Creek, in Plunkeets Creek township, Penn Bridge Co., $1,315; bridge over Texas Creek, in Pine township, Groton Bridge & Mfg. Co., $2,385.

CHARLOTTESVILLE, VA.—It is stated that a steel bridge is to be built across the Rivanna River. Estimated cost, $5,000; the county to pay $4,000 and the city $1,000.

PULASKI CITY, VA.—Bids will be asked until about Aug. 15 by the commissioners for the construction of a bridge across New River at Tawe's Ferry. C. R. St. Clair, R. C. Boothe and J. R. K. Bell compose the commission.

CARTHAGE, TENN.—Press reports state that a resolution has been passed for the construction of a toll bridge across the Cumberland River. A committee of five citizens was appointed to receive plans and specifications and bids for the construction of the same. L. A. Ligon, Carthage; John Conditt, Elmwood; W. T. Taylor, Monoville; J. H. Hodge, Lancaster, and J. T. Simpson, Chestnut Mound, compose the committee.

NEWPORT, KY.—We are informed that the Brackett Bridge Co. has secured a contract for the erection of a 150-ft. steel bridge over Four Mile Creek, Campbell County, at $5,000.

CLINTON, IND.—C. M. White, Mayor, informs us that the contract for the construction of a bridge across the Wabash River at Clinton has been let to the La Fayette Bridge Co., of La Fayette, Ind., at $29,300 for the superstructure, and at about $10,000 for repairing old piers, etc.

INDIANAPOLIS, IND.—The council is reported in favor of raising the appropriation to $20,000 for the construction of new bridges across Fall Creek and White River. Address Thos. J. Montgomery, Bd. Pub. Wks.

LA GRANGE, IND.—Bids are asked until Aug. 9 by the board of commissioners of La Grange county for the construction of four bridges with dimensions as follows: One single span steel bridge, 100 ft. long; one single span bridge, 20 ft. long; one single span steel bridge, 22 ft. long; one single span steel bridge, 27 ft. long; each to be supplied with stone abutments. C. C. Gilhams, Audr.

DETROIT, MICH.—Bids are asked until July 31 for the construction of two masonry bridges on Belle Isle Park. P. H. A. Balsley, Pres. Park and Boulevard Commissioners, No. 9 Peninsular Bank Bldg.; M. P. Hurlbut, Secy.

CARLYLE, ILL.—The contract for building a new iron bridge across Shoal Creek west of this place has been awarded to the St. Louis Bridge & Iron Co., at $1,750, according to reports.

JOLIET, ILL.—Bids are asked until Sept. 20 for the construction of superstructure to tow-path bridge on the Illinois and Michigan Canal. Joseph F. Haas, Clerk of the Sanitary District, 1110 Security Bldg., Chicago.

LINCOLN, ILL.—The following contracts have been awarded for bridge work: One over north branch of Lake Fork to the Indiana Bridge Co., at $3,000; the two in Atlanta township to Indiana Bridge Co., at $2,379. Each is to have a 14-ft. roadway and stone foundations; length, 50 ft. The proposed bridge over Salt Creek will cost $6,469, with a 14-ft. roadway and stone foundation; length, 170 ft.

ROCKFORD, ILL.—It is stated that the construction of a bridge across the river north of the city is being considered, and that the exact location will be announced soon. Estimated cost, $25,000.

MILWAUKEE, WIS.—The city clerk writes us that the council is considering the question of issuing $95,000 in bonds for a bascule bridge, at Broadway. The bridge now at Broadway will be removed to Lincoln Ave. The estimate provides for a new substructure for the Lincoln Ave. bridge, including repairing of the superstructure of the Broadway bridge and removal of same to Lincoln Ave., at a cost of $32,000; and a new superstructure for the Broadway bridge, at a cost of $38,000. The matter will be finally settled in six weeks.

DES MOINES, IA.—It is reported that the construction of a melan arch bridge is being considered. Estimated cost, $67,000. The bridge is to be at North Sixth St., the old one to be removed to the Thompson Bend tract.

MINNEAPOLIS, MINN.—Reports state that the construction of a new bridge in place of the wooden structure on Western Ave. owned by the Great Northern Ry. Co. is being considered.

SAUK RAPIDS, MINN.—Reports state that the contract for the construction of a steel bridge across the Mississippi River has been awarded to the Lafayette Bridge Co., at $12,393.

DECATUR, MO.—The contract for the extension on the Wikoff bridge has been awarded to the Wrought Iron Bridge Co., of Canton, O., at $4,396, and for Blue Mound bridge to the King Bridge Co., of Cleveland, O., at $4,960.

GLASGOW, MO.—It is stated that the reconstruction of the Alton R. R. bridge is being considered by the railway company. H. C. Draper, Ch. Engineer, Chicago, Ill.

HELENA, ARK.—Bids are asked until July 29 for the construction of seven steel bridges. J. C. Barlow, Chn.

SHERMAN, TEX.—It is reported that an iron bridge will be built to replace the wooden one at Mill Creek.

GOLDENDALE, WASH.—Bids are asked by the county commissioners until Aug. 8 for the construction of a bridge across the creek known as the outlet to Camas Lake.

McMINNVILLE, ORE.—The following bids were received for the construction of a bridge across the Gamkill River: Pacific Bridge Co., combination span with wooden piers, $2,650; with concrete piers, $4,250; steel span, $6,250; W. H. Morris bid $2,198 for a Howe truss with wooden piers.

PORTLAND, ORE.—Press reports state that the bids for the reconstruction of the Madison St. bridge are being considered by the county commissioners; bridge to be supplied with steel girders, steel draw and wooden superstructure; estimated cost, $300,000.

ROSEBURG, ORE.—Bids are asked by the court of Douglas county until Sept. 6 for the construction of a bridge across Looking Glass Creek, at Brockbridge, Douglas county, and one across Elk Creek, at Drain, Ore. Joe. Lyons, County Judge, Roseburg, Ore.

EUREKA, CAL.—Bids will be asked upon completion of plans and specifications for the construction of a bridge across Mad River at Haman's Crossing. Supervisor Pine is authorized to prepare plans and specifications and to advertise for bids for building a bridge across Boulder Creek, on the Three Cabins Road. Bids will be asked for the construction of a bridge across Little River by Supervisor McLeod, who is preparing plans and specifications for same. W. H. Haw, Clk.

LOS ANGELES, CAL.—Bids were received July 17 by the council for the construction of bridges, as follows: D. P. N. Little, 9th St. bridge, plan A, $7,251; B, $7,265; bridge at Ave. 26, A, $6,212; B, $4,856; Los Feliz Road bridge, B, with grading, $5,566. California Bridge & Construction Co., A, 9th St. bridge, $6,470; Arroyo Seco, $6,374; B, 9th St., $8,446; Los Feliz, $5,170; Arroyo Seco, $5,340. The firm offers to deduct 2½% in case two or more bridges are let to it. J. D. Mercereau, A, 9th St., $8,833; Los Feliz, $6,010; Ave. 26, $8,235; B, 9th St., $8,530; Los Feliz, $5,529; Ave. 26, $5,675. Mathis & Haupt, A, 9th St., $8,777; Ave. 26, $8,566; Los Feliz, $6,650; B, 9th St., $8,500; Ave. 26, $6,730; Los Feliz, $6,300.

OAKLAND, CAL.—It is reported that the U. S. Engineers have asked for bids for the construction of a bridge across the canal at High St. Estimated cost, $25,000. Plans and specifications are in Washington, D. C., where bids will be received.

REDDING, CAL.—It is stated that the board of supervisors have decided to build a bridge across Spring Creek; bridge is to be a three-span steel bridge, to cost not more than $12,000. Plans are now being prepared by Surveyor Baltzell.

SAN JOSE, CAL.—It is reported that a bridge is to be erected across the Adobe Creek, between Mayfield and Mountain View, on the San Francisco Road. It is to have a 50-ft. span. Estimated cost, $3,300.——A 60-ft. bridge will be constructed at Hacienda across the Alamitos Creek; bridge to be of wood and steel, and foundation of artificial stone; estimated cost, $1,000.——A bridge will be constructed on the San Felipe Valley Road, across Los Animos Creek, with iron piers. Plans for these bridges are being prepared at the office of the county surveyor.

STOCKTON, CAL.—Press reports state that plans and specifications have been prepared for the proposed steel bridge across the Mokelume, in the vicinity of Clements and Macville. Surveyor Quail estimates the cost of repairing the present bridge at $500. Supervisor Newton has advised that bids be asked for new bridge, also for repairs to present one.

APPLETON, ONT.—Bids are asked until July 31 for construction of superstructure of a steel bridge over the Mississippi River. E. T. Wilkie, Engineer in charge of the Township of Ramsay.

BUILDINGS.

NEW BEDFORD, MASS.—Bids are asked until 11 a. m. July 28 for altering and erecting an addition to the county courthouse. Bond, $10,000. Geo. T. Durfee, Chn. County Comrs.; N. C. Smith, Arch., New Bedford.

BRIDGEPORT, CONN.—A new police station is to be built on a site 120 x 180 ft. on Fairfield Ave. near Harrison St. Plans have not yet been prepared.

BALLSTON SPA, N. Y.—The board of education has asked for bids until July 31 for erecting a new high school building.

BROOKLYN, N. Y.—Plans for a 6-story addition on Livingston St., to the dry-goods house on Fulton St. of Abraham & Straus, are being prepared. The new addition will have a frontage of about 160 ft. and will be 100 ft. deep.

BUFFALO, N. Y.—E. L. Corthell, 27 Pine St., New York, it is reported, will soon have plans completed for the proposed new Union Station entrances. He is also preparing plans for the station for the Union Station Co. It is also reported that Thos. Hyland, Detroit, Mich., is preparing plans for another Union station, of which Michael J. Burke is interested.

NEW YORK, N. Y.—Plans have been filed by Emil Engelman, 564 Amsterdam Ave., for a 6-story flat in 129th St., to cost $84,000, Henry Anderson, Arch., 1180 Broadway; by David Cohen, 54 Thatford Ave., Brooklyn, for nine 5-story flats on 113th St., to cost $225,000, Rudolf Werner, Arch.; by the estate of John J. Astor, 23 W. 26th St., for a 3-story office building at 699 Fifth Ave., to cost $70,000, Lord, Hewlett & Hull, Archs.; by L. F. Mortimer, 602 W. 125th St., for a 6-story apartment house on 124th St., to cost $105,000, Geo. F. Pelham, Arch.; by Elias Kempner, 55 E. 61st St., for three 6-story brick flats on Lenox Ave., to cost $75,000, G. F. Pelham, Arch.; by the Park Row Construction Co., 23 Nassau St., for an 8-story office building at 3 Park Row, to cost $60,000, R. H. Robertson, Arch.; by the Washington Heights Free Circulating Library, 311 W. 17th St., for a one-story building on St. Nicholas Ave., to cost $30,000. The following bids for the erection of new public school 120, Barren Island, were received by the department of education, July 19: James I. Newman, 243 Euclid Ave., $23,956; Mapes-Reeve Cons. Co., 150 Nassau St., $24,000; Ryan & McFerran, 108 E. 23d St., $26,315; P. G. Carlin Co., 26 Court St., Brooklyn, $30,000; Geo. Hildebrand, 1004 Broadway, Brooklyn, $35,000.

NEW YORK, N. Y.—Bids are asked by the Norman College executive committee, 146 Grand St., until Aug. 3, for alterations and repairs to the college buildings, 68th St. and Park Ave.——The following bids for construction of Pavilion "T," Randall's Island, were received by the Department of Charities, July 24: Scheidecker & Gonder, 556 W. 170th St., $52,994; McQuade & Mahoney, $55,800; Mapes-Reeve Construction Co., 150 Nassau St., $55,884.

NEW YORK, N. Y.—Bids are asked by the department of charities, foot East 26th St., until Aug. 7, for materials and for altering men's dormitory and erecting a pavilion, Randall's Island; for erecting a ward, Blackwell's Island, and for the installation of a pressure water system, fire lines and hose, the laying of Croton water mains, alterations to coal yard and present surface railway tracks, the construction of a new platform weighing apparatus, derrick engine, etc., and furnishing four charging cars, etc., Bellevue Hospital.

ROCHESTER, N. Y.—The board of education has decided to have plans prepared for a 6-room addition to school building 33. Otto Block, Arch.

SARATOGA SPRINGS, N. Y.—The Congress Spring Park Hotel, the Favorite Spring Bldg., and other nearby structures, were destroyed by fire July 19, causing a reported loss of about $150,000.

SONYEA, N. Y.—Bids are asked until Aug. 2 for constructing several dormitory buildings at the Craig Colony, Carrere & Hastings, Archs., New York; Jas. H. Loomis, Chn. Com., Sonyea.

SYRACUSE, N. Y.—The Syracuse University has let the contract for a $25,000 dormitory building to Dickison & VanWagner.

ATLANTIC CITY, N. J.—Plans are reported as about to be prepared for a building, with a seating capacity of 25,000, for the Mardi Gras Association; estimated cost, $100,000. Mr. Chandler, Chn. Com., Law. Bldg., Atlantic City.——H. F. Adams, Law Bldg., is reported to have completed plans for a hotel building for Cook & Son, Senate Hotel; estimated cost, $100,000.

GLEN RIDGE, N. J.—This place is reported to have voted to build a 14-room school building at a cost of about $65,000.

RAHWAY, N. J.—The Rahway Reformatory Commission, Trenton, N. J., received the following bids July 18, for the completion of the central wing and office buildings of the Reformatory, under the appropriation of last winter: General contract, finishing central guard room buildings, erecting of office buildings and power house—Enoch F. Hooper, $131,000; Henry M. Doremus, $168,914; John Dunn & Co., $155,500; Geo. F. Cutley, $163,000; Daniel Whitlock, $161,000. Electric lighting and equipment—Brooklyn Electric Equipment Co., $25,400; J. Holmes Electric Light Co., $21,375; Charles S. Eidletz, $22,340; New York Electric Equipment Co., $20,615; United Electric Co., of New York, $20,626; Francis Bros. & Jellepps, $22,960; J. F. Buchanan & Co., $19,666; Edward Heaton, $18,905. Steam fitting and boilers—E. Keeler & Co., $26,260; Evans, Almyrolls & Co., $31,200; Philadelphia Steam Heating Co., $34,500; D. R. Burns, $28,335; New York Steamfitting Co., $30,930; Blakeland & Co., $30,375; Frank Dobson, $36,764; Baker, Smith & Co., $37,473; E. Rutzler, $35,642; G. A. Sutler & Co., $36,975.

WEST ORANGE, N. J.—Bids will soon be asked by the township committee for a town hall to cost $10,000.

BOLIVAR, PA.—It is stated that the Reese Hammond Firebrick Co. has decided to erect 100 new houses for use of its employees. The dwellings will be brick, costing $1,000 each. New employees are being secured and the company wants 200 new men by Sept. 1.

BRADDOCK, PA.—Bids are asked until 7:30 p. m., July 27, for constructing a city hall. J. N. Campbell, Arch., Penn Bldg., Pittsburg; S. D. Hamilton, Secy.

ERIE, PA.—The school board will soon ask for bids for the new No. 2 school building, to cost about $32,000.

HARRISBURG, PA.—The following bids were received July 15 for the proposed city jail addition: Pauly Jail Building Co., St. Louis, $157,259; Diebold Safe & Lock Co., Canton, O., $125,000; Dean & Westbrook, New York, $123,500; the Stewart Co., Cincinnati, $119,850; Mr. Miller, Pittsburg, $108,986; Pittsburg Bridge Co., $107,000 (accepted).

NEW CASTLE, PA.—Bids are asked by T. P. Williams, McKees Block until noon July 29 for erecting the First Congregational church building. C. C. & A. L. Thayer, Archs.

PHILADELPHIA, PA.—Appropriations have been made for completing the Boys' High School, equipping and building the Philadelphia Museum, building certain fire and police stations, etc.——J. E. & A. L. Pennock submitted the lowest bid at $73,573 for erecting a school building in the 25th section, Frankford Ave. and Somerset St. This is $3,573 more than provided in the appropriation to the board. The lowest bid received for the 15 division building at 12th St. and Allegheny Ave., was from Samuel Gourley at $75,325. This exceeds the estimates by $5,325. Geo. W. Pierson's bid of $76,318, the lowest received for the 18 division building at 13th and Thompson Sts., 20th section, is $6,318 above the limit set.

PHILADELPHIA, PA.—Thos. Bennett, 1024 Walnut St., is preparing plans for an apartment house to cost about $150,000.——C. Kiely has been awarded the contract for remodeling the interior of St. John's R. C. Church, at a cost of about $50,000. Frank R. Watson, Arch.

PITTSBURG, PA.—Local papers state that ground is expected to be broken for the new St. Paul's Orphanage, at Idlewood, early in August, as it is the wish of the trustees to have the building ready for occupancy next spring. The administration building and one wing will be put up at present, and this portion of the work is estimated to cost $100,000.

PITTSBURG, PA.—The contract for the Hazlewood and Mount Washington branches of the Carnegie Library has been awarded to Geo. A. Cochran.

TURTLE CREEK, PA.—This place has voted to issue $42,000 in bonds for a town hall.

WILMINGTON, DEL.—The question of erecting a city hall to cost about $300,000 is being considered.

BALTIMORE, MD.—The Northern Central Ry. Co., has let the contract for a new warehouse at Band and Thames Sts., to cost about $250,000 to Geo. Roydhouse, Philadelphia. It will be 100 x 300 ft., with six stories and two hydraulic elevators of 4,000 lbs. capacity. The house is being built in connection with the terminal and docking facilities the company has under way. S. W. Lippincott, Secy. and Treas.

WASHINGTON, D. C.—The following bids were received July 19 for a building for the Census Bureau on B St., between 1st and 2d Sts., N. W.: Richardson & Burgess, $104,737; Jas. L. Parsons, $103,755. (This bidder stated that in his opinion the roof provided by the plans was insecure, and would not furnish protection against such storms as visit this section. A roof which would answer all requirements would increase bid to $111,355.) John McGregor, $108,200; R. W. Darby, $110,000; Totten & Rogers, Archs.——The following bids for repairs to heating and power plants in the U. S. Treasury Building, Winder Bldg. and U. S. Marine Hospital Service Building were received July 17: Philadelphia Steam Heating Co., Phila., $1,793; Saml. J. Pope, Chicago, Ill., $2,391; Jno. A. Zellers, Washington, D. C., $2,078; Zellers & Co., Washington, D. C., $1,940; W. H. Lownan, Washington, D. C., $2,417.

WASHINGTON, D. C.—Bids were received by the commissioners July 15 for constructing an 8-room school building on Columbia Heights, as follows: Gleason & Humphreys, $31,800; add $2,800 for fireproof floor; Geo. W. Corbett, $32,793; add $3,000 for fireproof floor; N. H. Thomas, $28,840; add $2,300 for fireproof floor; H. I. Gregory, heating, $2,725; if iron smokepipe is omitted, deduct $150; if automatic heat regulation is used, add $400.——The design of Ackerman & Ross, New York, has been selected for the new Carnegie Library building to be erected in Mount Vernon Square, for which Andrew Carnegie recently gave $300,000.

WASHINGTON, D. C.—Bids are asked by the district commissioners until Aug. 5 for an addition to the almshouse.

NORFLOK, VA.—The Southern Ry. Co., it is reported, will soon let the contract for its proposed new station here to cost about $60,000.——C. R. Parlett has the contract for the Salomonsky Bldg. J. E. Carpenter, Arch.

NORFOLK, VA.—Plans and estimates for a jail and police station are invited by this city, as stated in our advertising columns. R. E. Steed, Secy.

CHARLESTON, W. VA.—Bids are asked by the board of public works until Aug. 25, for erecting the capitol annex, according to reports.

WILMINGTON, N. C.—The following bids for passenger elevator (electric) for the U. S. Public Building at Wilmington were received July 18: Morse, Williams & Co., Philadelphia, $7,090; McAdams & Cortwright E. Co., New York, $6,920; Otis Elevator Co., New York, $7,230.

EVERGREEN, ALA.—Bids are asked by the county commissioners until Aug. 10 for erecting a new courthouse.

MOBILE, ALA.—The Louisville & Nashville R. R. Co., it is stated, will begin at once the construction of a freight house, passenger station, shops, etc.

NAPOLEONVILLE, LA.—Bids are asked until Aug. 15 for erecting an additional story, 25 x 36 ft., to the building owned by the Bank of Napoleonville. T. B. Pugh, Chn. Com.

COOKEVILLE, TENN.—Bids are asked by the county commissioners until July 29, for erecting a courthouse to cost $15,000. Address, C. C. Fowler and Dr. J. F. Dyer.

NASHVILLE, TENN.—The contract for the new dormitory for the Vanderbilt University has been let to the E. & N. Mfg. Co., of Nashville, at about $120,000.

LAWRENCEBURG, KY.—Press reports state that the Kentucky Distilleries & Warehouse Co. has begun work on its new warehouse. It will be eight stories high and will have a capacity of 52,000 barrels. It will also have all modern improvements, patent ricks and steam heated.

LOUISVILLE, KY.—A new police station will be built in the First District on Wenzel St., south of Market.

CLEVELAND, O.—Bids are asked until Aug. 10 for furnishing new steam heating apparatus for the Marine Hospital. J. K. Taylor, Supervising Arch., Washington, D. C.

SPRINGFIELD, O.—The plans for a new Y. M. C. A. building prepared by Vernon Redding, Mansfield, O., have been accepted; estimated cost, $50,000.

TOLEDO, O.—The Cincinnati, Hamilton & Dayton Elevator, in East Toledo, was destroyed by fire July 23, causing a reported loss of $185,000. R. B. Turner, Supt.

RICHMOND, IND.—The Christian Church Society will erect a new edifice. W. S. Kaufman, Arch.——A. W. Bliss will put in a new business block.

ANN ARBOR, MICH.—Plans for the new laboratory for the University of Michigan have been accepted, and it is probable that work will soon be begun; estimated cost, $200,000.

DETROIT, MICH.—The following contracts have been let for erecting the laboratory for Parke, Davis & Co., Guoin St.: Mason work, A. Chapoton; carpenter work,

the Vinton Co.; cut stone, R. Robertson & Co.; heating and plumbing, J. D. Mount; painting and glazing, the Wm. Wright Co. The building will cost $50,000. Donaldson & Meier, Archs.

DETROIT, MICH.—Bids are asked until July 28 for heating, ventilating and plumbing for the new county building. John Scott & Co., Archs., Moffat Block; W. H. Coots, Chn., City Hall.

SAGINAW, MICH.—The Germania Society, it is stated, has decided to erect a 4-story building an Genesee Ave, at a cost of $50,000.

CHICAGO, ILL.—Norman P. Cummings proposes to erect a $100,000 apartment house at Grand Boulevard and 51st St.——Permits for buildings have been granted to E. B. Butler for an 11-story warehouse at 10 and 12 W. Randolph St., to cost $250,000; by R. H. Rice for a 6-story malthouse at 1474 and 1476 Cortlandt St., to cost $250,000, and by the city of Chicago for a public bath building at 4647 Gross Ave., to cost $6,000.——Plans are being prepared by the Northside Business Men's Association for an exhibition building.

CHICAGO, ILL.—Bids are asked until Aug. 4 for various interior work in connection with seven public schools. W. B. Mundie, Arch. Bd. Education, 100 Randolph St.

EVANSTON, ILL.—The Evanston Free Library board has asked for a site on Chicago for a new building to cost about $100,000. W. M. Green, F. W. Gerould and P. Schimberg are on the committee.

URBANA, ILL.—Bids are asked until Aug. 16 for the materials and for constructing the College of Agriculture buildings for the University of Chicago; estimated cost, $150,000. J. C. Llewellyn, Arch., 153 La Salle St., Chicago; S. A. Bullard, Chn. Com., Springfield, Ill.; W. L. Pillsbury, Secy. Trustees, Urbana.

MILWAUKEE, WIS.—Building permits have been granted to the National Enameling Stamp Co. for a 5-story factory at St. Paul Ave. and 9th St., to cost $60,000.

RIPON, WIS.—Bids are asked until Aug. 12 for constructing a science hall for Ripon College. H. K. Holsman, Arch., 153 La Salle St., Chicago; R. C. Flagg, Pres.

BUTLERVILLE, IA.—Bids are asked until July 29 for erecting a school building in sub-district No. 3, Indian township, Alane county. F. B. Asher, Pres. Bd. Dir's.

MODALE, IA.—Bids are asked until Aug. 15 for erecting a school building. F. W. Schwertley, Secy. School Board.

VINTON, IA.—The question of erecting a county courthouse to cost $75,000 is being considered.

ST. PAUL, MINN.—Bids are asked until Aug. 15 for the foundations, superstructure and roof covering of the extension to the post office. J. K. Taylor, Supervising Arch., Washington.

AUBURN, NEB.—It is reported that Geo. Burlinghoff is preparing plans for the $40,000 courthouse for Nemaha county.

LINCOLN, NEB.—Bids are asked until Aug. 7 for an experimental station upon the University Station farm; bond, $10,000. J. S. Dales, Secy. Bd. Trustees.

OMAHA, NEB.—Bids are asked until Aug. 5 for a 3-story brick school building. W. F. Porter, Secy. Bd.

HUTCHINSON, KAN.—The county commissioners have decided upon plans for a new courthouse to cost $60,000.

JUNCTION CITY, KAN.—It is stated that the county commissioners received the following bids July 18, for constructing the courthouse and jail: Zeigler & Dalton, Junction City, $34,385; H. Bennett, Topeka, $34,944; G. H. Schaeffer, Atchison, $35,435. The bids for the jail were as follows: John Stewart Iron Works, Cincinnati, $2,100; Pauly Jail Co., St. Louis, $2,034.

KANSAS CITY, MO.—Building permits have been granted to the St. Joseph & Council Bluffs C. R. Co. for a freight station at 1229 W. 12th St., to cost $50,000, and to the Rock Island Improvement Co., for a brick warehouse at 1310 W. 13th St. to cost $60,000.

ST. LOUIS, MO.—Plans have been completed by Eames & Young for a large office building on Washington Ave., between 10th and 11th Sts., for Robt. S. Brookings.

COLLEGE STATION, TEX.—D. Mahoney, Austin, Tex., has been awarded the contract, at $24,978, for erecting a 55-room brick dormitory for the Agricultural and Mechanical College. L. L. Foster, Pres.

HOUSTON, TEX.—The Planters' & Mechanics' Bank trustees have decided to erect a 6-story office building on Main St.

WAXACHACHIE, TEX.—J. J. Metcalf and J. D. McGill are preparing to put in a grain elevator east of the Missouri, Kansas & Texas R. R. depot, to be operated by electricity.

SACRAMENTO, CAL.—Bids are asked until Aug. 10 for constructing an addition to the county hospital. W. B. Hamilton, Clk.

SAN FRANCISCO, CAL.—Plans are being prepared, by order of the trustees of the Sharon estate, for a theatre to be connected with the Palace Hotel and to cost about $250,000.

MEXICO, MEX.—Press reports state that work will commence soon on the new capitol which is to be erected on the Plaza le la Republica, at a cost of about $4,000,000. Emilio Donde, Ch. Engr. and Arch.

BERNBURG, GERMANY.—The municipal authorities are reported as offering three prizes for the three best plans for the proposed saline baths, to cost $200,000, and to be completed in 1901.

WATER-WORKS.

LEWISTON, ME.—The following bids were received July 18 for laying of the Lake Auburn conduit: Bearce & Clifford, Lewiston, $72,516 (accepted); Eli Roy, Lewiston, $83,255; Moore & Co., Boston, $77,230.

KEENE, N. H.—Geo. E. Evans, 95 Milk St., Boston, has been engaged as consulting engineer in regard to the proposed increased water supply from Roaring Brook.

MILTON, N. H.—The Milton Water-Works Co. has been incorporated, with a capital stock of $25,000, by S. L. Hayes and others.

BRIGHTON, VT.—The Island Pond Water Co. has been incorporated, with a capital stock of $50,000, by M. L. Kelsey, East Milton, Mass.; A. H. Hale, Island Pond, Vt., and others.

BLACKSTONE, MASS.—The selectmen have been petitioned to call a town meeting to consider the question of works for this town. Address ex-Selectman Andrew Booth.

HOLYOKE, MASS.—Plans for the new high pressure reservoir, to have a capacity for 300,000,000 gallons, will soon be submitted to the county commissioners, according to reports.

NEWBURYPORT, MASS.—The commissioners propose to lay about 1,500 ft. of 12-in. pipe. C. R. Sargent, Acting Supt.

PLYMOUTH, MASS.—This town has voted to issue $30,000 in bonds for improving the works.

SPRINGFIELD, MASS.—E. N. & E. C. Davis, Northampton, Mass., are making surveys for a better water supply, to be secured from northeast of the city. The question of cleaning the reservoir, at a cost of about $75,000, is being considered. Address Water Commissioner Goodhue.

WATERTOWN, CONN.—B. H. Mattoon, Town Clk., writes us that Loring W. Farnham, Boston, Mass., has been awarded the contract for building the works for the Watertown Water Co. Work will begin at once. Up to July 19 no inspecting engineer had been appointed.

ALBANY, N. Y.—Bids are asked until Aug 1. for laying 6 to 20-in. water pipe in several streets. G. I. Bailey, Supt. Water-Wks.

CANAJOHARIE, N. Y.—Surveys for a water suppy have been made, according to reports.

DANSVILLE, N. Y.—Arrangements are reported as being made for the immediate increase of the water supply. M. J. McNeil, Supt.

MASSENA, N. Y.—The St. Lawrence Water Co. has been granted a franchise for works. Work will be begun inside of 50 days. After five years the town will have the option of purchasing the works. The T. A. Gillespie Co., Contractor, Pittsburg, Pa., and the Havemeyer Bldg., New York, is the principle owner.

OLEAN, N. Y.—Bids are asked until July 31 for building an addition to the pumping station. J. Z. Le Favre, Supt.

ROME, N. Y.—Bids are asked until Aug. 2 for excavating trenches, laying about 10,000 ft. of water pipe, setting hydrants, valves, etc., as stated in our advertising columns. C. T. Hayden, Clk. Bd. Water Comrs.

BAYONNE, N. J.—The council has awarded the contract for a water main in Ave. I and West 26th St. to Jas. Forquer, at $2,169.

BRADDOCK, PA.—Bids are asked until Aug. 7 for furnishing a 5,000,000-gallon compound condensing duplex pumping engine. Wm. Howat, Supt. Pub. Wks.

CONNEAUTVILLE, PA.—Bids are asked until Aug. 8 for the materials and for constructing works, as stated in our advertising columns. J. B. Strawn, Engr., Salem, O.; L. D. Corey, Clk.

EAST BANGOR, PA.—The State's Water Co. has been incorporated, with a capital stock of $10,000, by W. Bray, B. F. Dilliard and G. H. Mutton.

FREEPORT, PA.—The city is considering the question of buying the works owned by Henry Brackenridge and Geo. Findley for $30,000.

PHILADELPHIA, PA.—The director of public works will probably soon ask for bids for two new auxiliary pumps for the Fox Chase pumping stations, to cost $50,000. Each pump will have a capacity for from three to five million gallons.

STEELTON, PA.—An election will be held to vote on the question of issuing $175,000 in bonds to purchase the works.

WILMINGTON, DEL.—Local papers state that the water commissioners will proceed with the construction of the proposed stand-pipe in Rockford.

WASHINGTON, D. C.—Bids are asked by the district commissioners until Aug. 10 for 3,300 cu. ft. of granite coping, 12 ins. thick, for the Brightwood Reservoir.

FORT HUNT, VA.—Bids are asked until Aug. 7 for sinking an artesian well with a capacity of 3,000 gallons a minute. Lt. W. F. Hase, U. S. A., Fort Hunt, Riverside Park, Va.

WOODSTOCK, VA.—It is proposed to build works at a cost of about $20,000. D. G. Adelsberger, Engr., 722 Pennsylvania Ave., Baltimore, Md.

GREENSBORO, N. C.—This city voted July 18 to issue $100,000 in bonds for purchasing the works of the Greensboro Water Co. J. S. Michaux, Cy. Clk.

ATLANTA, GA.—The water board, it is stated, will ask the council for an appropriation with which to buy new engines and to build a new reservoir, for an additional 20,000,000 gallons a day. Park Woodward, Supt.; G. W. Harrison, Pres.

BAINBRIDGE, GA.—Press reports state that the pumping station and other property was destroyed by fire July 16, causing a loss of about $50,000.

JACKSON, GA.—An election will probably be held to vote on the question of issuing bonds for works.

ROME, GA.—C. E. McLin, Chn. Com., writes us that the following submitted bids July 15 for enlarging the reservoir for an additional 1,000,000 gallons and for installing a 1,500,000-gallon filter plant: New York Filter Co. and Continental Filter Co., both of New York; the We Fu Go Co., Cincinnati, O.; J. A. Holmboe, Civil Engr., Louisville, Ky.; Robt. Witherill & Co., Chester, Pa.; Walton & Wagner, Rome. The bids being unsatisfactory in some important points, all of them were rejected.

CULLMAN, ALA.—Bids are asked until Aug. 14 for constructing works and an electric plant to cost $35,000. J. F. Beyer, Mayor; R. I. Burks, Clk.

PRATT CITY, ALA.—Albert & Byrne, 1821½ 2d Ave., Birmingham, Ala., have been engaged to prepare plans and specifications for works, and to superintend the construction. Bids will be asked at once; estimated cost, $25,000. E. J. Hudnall, Mayor.

CLEVELAND, O.—Local papers state that the work on the new pumping station on the lake front between Kirkland and Coe Sts. will be begun in the fall. Plans are about completed. The station will contain four pumping engines of a combined capacity of 100,000,000 gallons. M. W. Kingsley, Supt.

GARRETTSVILLE, O.—It is stated that the question of works is being considered.

GLENVILLE, O.—This place has voted to issue $21,000 in bonds for extending the mains. Robt. Wright, Mayor.

NORWOOD, O.—An election will soon be held to vote on the question of issuing $7,500 in bonds for water and $2,500 for light purposes.

SOUTH BROOKLYN, O.—This place has voted to issue $25,000 in bonds for extending the mains.

TOLEDO, O.—Bids are asked until Aug. 7 for furnishing materials and for sinking four artesian wells. W. O. Holst, Cy. Clk.

ANDERSON, IND.—A company has been organized to put in new works. The water supply will be secured from wells. David H. Durbin is interested.

ENGLISH, IND.—Jas. M. Andrews, Pres. Second National Bank, New Albany, Ind., is reported to have purchased the control of the works in this place from John McCoy for about $4,000.

MICHIGAN CITY, IND.—The committee, composed of Mayor Krueger, H. I. Chubb and F. C. Miller, has recommended that the bid of Thatcher & Shirley, Toledo, O., at $37,255, or that of Gardner & Mann, Dowagiac, Mich., at $36,894, be accepted for constructing a pumping station, an intake 3,600 ft. long and a force main 1,000 ft. long.

URBANA, O.—J. P. Brennan, Ch. Com., writes us that plans for the proposed works are not yet complete.

BANGOR, MICH.—Another election will be held July 31 to vote on the question of issuing $14,000 in bonds for works.

BATTLE CREEK, MICH.—The question of putting in a filter plant at Lake Goguac, at a cost of $30,000, is being considered.

LESLIE, MICH.—Estimates for works are reported as being considered.

PORTLAND, MICH.—Reports state that the owners of the works have offered the plant to the city for $35,000. The council, however, has decided to pay not more than $18,000, and if the owners of the works refuse this the city will build its own plant.

CARBON HILL, ILL.—The village council is reported as wanting bids until about July 30 for constructing works. A stand-pipe will be required.

CHICAGO, ILL.—Bids are asked until July 31 for removing from Lake Michigan the temporary working crib, Northeast Lake Tunnel, and until Aug. 2 for laying water mains in about 20 streets. L. E. McGann, Pres. Bd. Local Improvements.

DANVILLE, ILL.—A. C. Braucher writes us that a committee has been appointed by the council to ask for bids for prospecting for water in connection with the proposed municipal works, which will be constructed if a satisfactory supply can be secured.

EVANSTON, ILL.—It is proposed to construct a new intake and filter for an increased and better water supply. Address Alderman Green.

HILLSBORO, ILL.—Bids are asked until Aug. 1 for constructing a brick water tower and a steel tank. J. A. Short, Water Comr.

KINSMAN, ILL.—B. F. Bosley, Ransom, Ill., is reported to have been awarded the contract for works.

MONMOUTH, ILL.—Bids are asked until Aug. 1 for laying 2,148 ft. of 4-in. water pipe. C. Roadhouse, Supt.

NEW ATHENS, ILL.—It is stated that works will be built by the town, the water supply to be secured from the Okaw River.

BARABOO, WIS.—Efforts to annul the franchise of the Baraboo Water-Works Co. and to construct city works are being made.

KAUKAUNA, WIS.—The council has voted to purchase the new works of the company for $75,000. Address Mayor Charlesworth.

LA CROSSE, WIS.—It is proposed to appropriate $14,640 for extending the water mains. Address Alderman James, Chn. Com.

OCONOMOWOC, WIS.—Bids are asked until Aug. 7 for trenching, laying and caulking mains, setting hydrants, valves, etc., for the proposed works, as stated in our advertising columns. Bids for furnishing the materials were received July 17. O. C. Peters, Cy. Clk.; A. M. Patitz, Engr., Pabst Bldg., Milwaukee, Wis.

SUN PRAIRIE, WIS.—J. C. Fitch, Clk., writes us that another election to vote on the question of issuing bonds for works will be held July 31.

DANBURY, IA.—The contract for works has been let to John Ward, of Audubon, Ia., at $5,321.

HUDSON, IA.—Bids are asked until Aug. 7 for constructing works, as stated in our advertising columns. Jackson & Moss, Engrs., Iowa Loan & Trust Bldg., Des Moines, Ia.; R. Shepard, Clk.

NORA SPRINGS, IA.—Press reports state that the council has let the contract for works.

SIBLEY, IA.—The following bids were received July 19 for constructing works, all bidders of Des Moines, Ia.: E. W. Crellin, $17,450; Bowman Company, $17,800; Jackson & Moss, $16,730; W. D. Lovell, $16,261 (accepted).

BELGRADE, MINN.—Fairbanks, Morse & Co., St. Paul, have been awarded the contract, at $7,500, for building works and a light plant.

MORTON, MINN.—The bids received July 10 for constructing works were rejected. Geo. Welsh, Pres. Council.

BLAIR, NEB.—Bids are asked until Aug. 1 for sinking an 8-in. well. Henry Mencke, Cy. Clk.

IOLA, KAN.—J. W. Hamilton and W. E. Hobbs, Civil Engr., Fort Scott, Kan., are reported as interested in the proposed works for this place.

PARSONS, KAN.—The question of purchasing the works for $185,000 is being considered, according to reports.

RED LODGE, MONT.—Bids are asked until Aug. 3 for constructing gravity works. G. H. Bailey, City Clk., writes us that the works will consist of 11,700 ft. of 8-in. pipe, 3,950 ft. of 6-in. pipe, 6,916 ft. of 4-in. pipe, 22 hydrants, two 8-in. valves and boxes, four 6-in. gates and boxes and 29 4-in. gates and boxes. G. C. Morgan, Engr., Royal Insurance Bldg., Chicago; Wm. Larkin, Mayor.

ANDERSON, TEX.—Bids are asked until Aug. 15 for sinking an artesian well. J. H. Teague, County Judge.

HOUSTON, TEX.—The Houston Water-Works Co. has let the contract for an air compressor to the Ingersoll-Sargeant Drill Co., New York, at about $13,000. The company, it is stated, will also sink more wells for an additional 2,000,000 gallons.

MESA, COLO.—It is stated that works for this city will soon be under construction.

DAVENPORT, WASH.—Bids are asked until July 31 for the purchase of $14,450 of 6% 20-year bonds for constructing the proposed works, noted in our issue of July 13. W. J. Roberts, Engr., Pullman, Wash.; Adam Knox, Mayor.

WENATCHEE, WASH.—This place has voted to issue bonds for works.

COQUILLE, ORE.—The town is reported to have asked for bids for the purchase of $5,000 of 20-year bonds for works.

SUMPTER, ORE.—W. A. Vinson is reported to have been granted a 30-year franchise.

WOODBURN, ORE.—J. B. Kurtz, Portland, Ore., has been granted a 30-year franchise for works and an electric plant, to cost $10,000.

LOS ANGELES, CAL.—An election will be held Aug. 23 to vote on the question of issuing $2,000,000 in bonds for buying the works and for making improvements thereto. The proceeds of the bonds, if voted, will be used as follows: Arbitration award to Los Angeles City Water Co., $1,183,591; infiltration galleries, $204,000; main conduit, $297,136; reservoir, dam and appurtenances, $142,000; cast-iron main (30-in. pressure pipe), $115,500; submerged dam, $40,409; right-of-way, etc., $25,000; add for engineering and contingencies, $82,364.

OAKLAND, CAL.—The committee, Alderman Cuvellier, Chn., has submitted a report on a better water supply. It considers the plan to secure water from the Blue Lakes unfavorably, but recommends that artesian wells be sunk in the county, and also that a salt water pumping plant be constructed for street sprinkling.

SAN BERNARDINO, CAL.—J. J. Hanford, Mayor and Pres. Bd. Trustees, writes us that in a short time the city may have to put in a new system of pipes, and possibly new works. Population, 9,000.

TUCSON, ARIZ.—Bids are asked until July 29 for the purchase of $100,000 of bonds, the proceeds to be used to purchase the works owned by Watts & Lawton. Joaquin Legarra, Cy. Treas.

GENESEE, IDAHO.—E. McCulloch, Lewiston, Idaho, has been employed to prepare plans for works. The source of supply will be from wells. Prices and catalogues of water-works supplies are requested from manufacturers and dealers.

SMITHS FALLS, ONT.—The question of purchasing the works owned by Captain Foster for $32,000 and of extending the same, and of constructing a sewerage system, for about $148,000, is being considered. Willis Chipman, Engr., Toronto.

WATERLOO, ONT.—The following submitted bids July 18 for completing the works: Goldie & McCulloch, boilers and stand-pipe; Hunter Bros., Kincardine, stand-pipe; Walberg & Co., Montreal, elevated tower; Leonard & Co., London, boilers; Northley & Co., Toronto, and the Kerr Engine Works, Walkerville, pumps, and local contractors for the buildings and pumping well. Whole works completed, H. J. Bowman, Berlin.

VERNON, B. C.—Bids are asked until Aug. 14 for the materials and for constructing the works, to include a reservoir, etc., to cost $30,000. F. B. Latimer, Engr., Vernon; Frank McGowen, Cy. Clk.

SEWERAGE.

PROVIDENCE, R. I.—Geo. Newman has been awarded the contract for extending sewers in Plainfield and other streets, at $6,925.

PROVIDENCE, R. I.—Bids are asked until 11 a. m. July 28 for constructing 1,480 ft. of 30 and 20-in. brick, and about 5,000 ft. of 15 to 8-in. pipe sewers. R. E. Smith, Comr. Pub. Wks.

BUFFALO, N. Y.—Bids are asked until Aug. 4 for constructing 20 to 10-in. pipe sewers in several streets. R. G. Parsons, Secy. Bd. Pub. Wks.——The city officials are considering the question of filling in the Hamburg Canal and of building sewers in that district to abate the nuisance, at a cost of $500,000. F. V. E. Bardol, Cy. Engr.

DUNKIRK, N. Y.—Bids are asked until Aug. 1 for constructing 12-in. pipe sewers in certain streets. W. C. Baumgartner, Cy. Clk.

NEW YORK, N. Y.—Bids are asked until Aug. 2 for constructing a sewer in Nicholas Ave., Brooklyn, and in several streets in the Borough of the Bronx. Jas. Kane, Comr. of Sewers, 13 Park Row, Manhattan Borough.

NEW YORK, N. Y.—Bids are asked by the department of sewers, 13 Park Row, until Aug. 9 for constructing sewers in six streets, Bronx Borough.

ROCHESTER, N. Y.—Bids are asked until July 28 for sewers and paving in six streets, and until Aug. 1 for a sewer in Bowen St. and stone paving in car tracks on Jay St. C. M. Beattie, Clk. Executive Bd.

SOUTH NYACK, N. Y.—An election will be held Aug. 1 to vote on the question of issuing $12,000 in bonds for sewers.

WHITESTONE (L. I.), N. Y.—The board of public improvements has voted to build a sewer in 21st St., at a cost of $4,200.

NEW BRUNSWICK, N. J.—Bids are asked until July 28 for constructing about 10,000 ft. of pipe sewers, according to reports. T. R. Kenney, Chn. Com.

TRENTON, N. J.—Bids are asked until Aug. 1 for constructing pipe sewers in two streets. C. E. Murray, Cy. Clk.

PHILADELPHIA, PA.—Bids are asked by the director of public works until Aug. 3 for constructing an extension to the Aramingo Canal sewer and other main sewers, to cost about $600,000. The canal sewer extension will be about 3,000 ft. long and is the most important work.

SHERIDAN, PA.—Bids are asked until 5 p. m., July 29, for constructing about 3,000 ft. of 15 and 12-in. pipe sewers. J. B. Smith, Engr., 434 Fourth Ave., Pittsburg, Pa.

STEELTON, PA.—The council has rejected the bids for constructing the storm sewers received July 19. The sewers, including pipe, etc., will cost about $4,285. Alex. Potter, Engr., 137 Broadway, New York.

WASHINGTON, D. C.—Bids are asked by the district commissioners until Aug. 14 for furnishing sewer pipe and branches, as stated in our advertising columns.

ALEXANDRIA, VA.—A prize of $50 is to be offered by the city for the best plan for a system. This prize will be increased to $150 if the plan is accepted. Address J. M. Hill, Chas. King or Wm. B. Smoot, of the committee.

CHARLESTON, W. VA.—The council has voted to extend the sewers in Capitol St. H. Morris, Jr., Recdr.

GREENSBORO, N. C.—This town on July 18 voted to issue $500,000 in bonds for improvements. Of this amount $65,000 is for sewers and $75,000 for street work.

NASHVILLE, TENN.—The Nashville Plumbing Co. has been awarded the contract for constructing a 15, 12 and 10-in. pipe and a 36-in. brick sewer in an alley, at $2,899.

DAYTON, O.—The county commissioners received the following bids July 15 for constructing a sewage filtration plant at the County Infirmary: Peter E. Lehman, $8,800; John Williams & Co., $9,438; Ezra Baker, $10,985; James G. Taylor, $8,469; Charles Hoglen, $8,349; George R. Hively, $7,183; John Kershner, $6,635.

EAST LIVERPOOL, O.—Bids are asked until Aug. 7 for constructing seven miles of 12 to 4-in. pipe sewers. J. A. George, Cy. Engr.

MASSILLON, O.—Weibee & Schott and Clementz & Neidlinger submitted bids, at $7,111 and at $7,112, respectively, for a sewer in West Tremont St.

RAVENNA, O.—W. E. Myers, of Kenton, O., has been engaged to prepare plans for a system.

TOLEDO, O.—Bids are asked until July 7 for constructing 15 and 10-in. pipe and until Aug. 14 for 72 to 30-in. brick sewer in several streets. W. O. Holst, Cy. Clk.

UNION CITY, O.—Bids are asked until Aug. 7 for constructing a pipe sewer. G. A. Rosenbush, Clk.

JACKSON, MICH.—Bids are asked until Aug. 7 for constructing a brick sewer in Chapin St. R. M. Newman, Cy. Engr.; A. E. Vandercook, Supt. Pub. Wks.

ALTON, ILL.—Bids are asked until July 31 for constructing a sewer in 3d St. E. E. Rutledge, Secy. Bd.

CHICAGO, ILL.—Bids are asked until 10 a. m., July 29, for constructing sewers in a number of streets. L. E. McGann, Pres. Bd. Local Improvements.

LA CROSSE, WIS.—Bids are asked by the board of public works until Aug. 21 for constructing the Front St. intercepting sewer, as stated in our advertising columns; estimated cost, $14,000.

CHARLES CITY, IA.—W. D. Lovell, Consult. Engr., 808 Equitable Bldg., Des Moines, Ia., informs us that the following bids were received July 17 for constructing the main sewer:

	Sewer A.	Sewer B.
John Hurley & Co., Des Moines	$7,000	$8,300
Ford & De la Hunt, Cedar Rapids	6,320	7,985
Jackson & Moss, Des Moines	7,200	8,300
Fred. Bokorny, Cedar Rapids	6,083	8,081
Webster & Blake, Dubuque	6,977	8,123
Wm. Horrabin, Iowa City (accepted)	6,046	7,900

MARION, IA.—Bids are asked until Aug. 15 for constructing sewage disposal works, as stated in our advertising columns. P. M. Plumb, Mayor; J. L. Heberling, Cy. Clk.; Wardle & Yeager, Engrs.

HIBBING, MINN.—M. Rogaesky, Recdr., writes us that the contract for constructing two miles of 12-in. pipe sewer will be let in August; estimated cost, $12,000. Q. A. Thomas, Des. Engr.

LAKE CITY, MINN.—Bids are asked until Aug. 1 for constructing a system. Geo. L. Wilson, Engr., St. Paul, Minn.; G. D. Post, Mayor.

HOUSTON, TEX.—This city voted July 11 to build the proposed new system, and it is reported that bids for the work will soon be asked. Sewage filtration beds will be built. Alex. Potter, Engr., 137 Broadway, New York.

BAKER CITY, ORE.—The committee is reported as securing estimates for the proposed system.

BELVEDERE, CAL.—An election will soon be held to vote on the question of issuing $10,000 in bonds for a system.

OAKLAND, CAL.—It is proposed to construct an intercepting sewer and a sewage reservoir and pumping plant. Address Mayor Snow or Dr. O. D. Hamlin, of the Bd. of Health.

REDDING, CAL.—Bids are asked until Aug. 7 for furnishing three carloads of 6 and 12-in. drain pipe and two carloads of lumber. T. B. Smith, Cy. Clk.

BERLIN, ONT.—Bids are asked until Aug. 2 for constructing 6,000 ft. of 12 and 9-in. pipe sewers. W. M. Davis, Town Engr.; Dr. G. H. Bowlby, Chn. Com.

MONTREAL, QUE.—Bids are asked until July 31 for constructing sewers in three streets. P. W. St. George, Cy. Surv.

GARBAGE DISPOSAL—STREET CLEANING

NEW YORK, N. Y.—Bids are asked until Aug. 8 for furnishing 18 springling trucks. J. P. Keating, Comr. Highways, 13 Park Row.

EAST LIVERPOOL, O.—The following bids for installing a plant and for disposing of the garbage were received by the board of health July 12: The Thackeray Incinerating, Fertilizing & Developing Co., Cincinnati, to construct a garbage furnace without a building, $13,500, or to dispose of garbage for $577.83 a month; The Sanitary Reduction Co., East Liverpool, to collect and dispose of all garbage for 3 cts. per capita, or to dispose of the garbage alone for 1¾ cts. per capita.; The Dixon Garbage Crematory Co., Dayton, to construct a steel and brick fireproof furnace building for $10,000, or a portable furnace without a building or approaches for $4,400. It will also build and operate a furnace and dispose of the city's garbage for five years for $43,500, payable in installments of $725 a month.

STREETS AND ROADS.

BOSTON, MASS.—Bids have been received as follows by Superintendent of Streets Wells for constructing a macadamized road in West Sheldon St., from Morton to Manchester St.: F. F. Bradley, $10,965; J. W. McGovern, $10,640; Collins & Ham, $12,881; David E. Lynch, $17,445. For a macadam roadway in Peterborough St., from Boylston St. to Audubon Road: N. McBride, $5,002; J. Doherty & Co., $4,366 (accepted); Collins & Ham, $5,097; D. E. Lynch, $6,253.

WINCHESTER, MASS.—The following bids were received for the extension of Highland Av., the first item being for stone road and the second for gravel road: P. H. Fitzgerald, $13,711, $10,649; Charles Linnehan, $13,842, $13,649; White & Gaffney, $15,331, $13,483; Richard Falvey, $15,925, $14,341; Coleman Bros., $17,473, $15,625; Connor Bros., $20,368, $16,936; Andrew Carberry, $20,980, $19,554. The bids do not include ledge excavation, at $1.75 per yd.

WORCESTER, MASS.—The following bids have been received for grading the grounds and putting in walks about county court house: Thomas Smith, $23,989; Webb Granite & Construction Co., $24,867; Norcross Bros., $27,105; M. Kenney, $28,585; Cutting-Bardwell Co., $29,450.

CHESTER, CONN.—It is reported that $2,500 has been appropriated for macadamizing a section of highway.

DEEP RIVER, CONN.—It is stated that $9,000 has been appropriated for the purpose of extending the macadam road to Chester, and the balance to be used in continuing the road from South Main St.

NEW BRITAIN, CONN.—W. W. Cadwell, City Surveyor, writes us that the city is about to contract for nearly a mile of macadam road under the State law.

NORTH STONINGTON, CONN.—Reports state that $4,000 has been appropriated for the purpose of improvement of the highway. This is to be done on section running towards Westerly to the Stonington town line.

ALBANY, N. Y.—The contract for paving in Clinton St. has been awarded by the board of contract and apportionment to Edward E. Dillon at $8,708, other bids being Adam Miller, Saratoga, $9,948; Mulderry Bros., $8,949.

BUFFALO, N. Y.—These bids have been received for paving Niagara St.: American Contracting Co., Bermudez asphalt, $70,500; Henry P. Burgard, Alcatraz asphalt, $69,433; Barber Asphalt Co., Trinidad asphalt, $70,226; German Rock Asphalt & Cement Co., Trinidad asphalt, $65,591; P. B. McNaughton, brick, $64,493.

NEW YORK, N. Y.—Bids are asked until Aug. 8 for furnishing 900,000 paving brick. Jas. P. Keating, Comr. Highways, 13 Park Row.

ROCHESTER, N. Y.—Bids are asked until Aug. 8 for the improvement of 6.53 miles of Ridge Road, as described in our advertising columns. Edward A. Bond, State Engineer and Surveyor, Albany.

TROY, N. Y.—The following bids have been received for the repairs of two roads: Troy and Brunswick Road—G. A. Rogers, Plattsburgh, $5,675; Callanan Road Improvement Co., $9,700; Martin Murray, $8,229. Troy and Greenbush Road—G. A. Rogers, $7,908; Callanan Road Improvement Co., $11,750; Martin Murray, $12,966.

ATLANTIC CITY, N. J.—Bids are asked until Aug. 14 for laying 93,000 sq. yds. of macadam roadway and 19,000 sq. yds. of brick paving, as stated in our advertising columns. J. W. Hackney, Cy. Surveyor.

JERSEY CITY, N. J.—Bids are asked until Aug. 1 for 1,100 sq. yds. of Belgian paving and 3,200 lin. ft. of curbing. Wm. A. Tolson, Clk. pro tem. Street and Water Bd.

NEWARK, N. J.—The paving of Lombardy St. with granite is being considered by the Street Committee of the Board of Street and Water Commissioners.

NEWARK, N. J.—Bids are asked until July 31 for laying gutters in three avenues in three townships of Essex county. Wallace Ougheltree, Chn., 800 Broad St.

RED BANK, N. J.—The following bids were received by the board of freeholders for the construction of a stone road between Red Bank and Eatontown: M. R. Van Keuran, $24,222; J. W. Rehill, $22,526; H. J. Mullen & Co., $22,136; J. Irwing Hillpott, $21,804; James Holmes & Co., $23,202; E. L. Ragoett, $24,086; Stone & Thurston, $20,208; W. C. Shanley (accepted), $20,458.——For the construction of two gravel roads at Navesink the bidders were Rue & Fountain, of Matawan, including material, $5,500, and Jonathan T. Stout, of Atlantic Highlands, not including material, $4,150 (accepted).

SALEM, N. J.—It is stated that the city council has voted to issue bonds for $35,000 for street improvements.

WEST HOBOKEN, N. J.—The question of asphalt paving of the West Hoboken side of Palisade Ave., between Stevens St. and the Hackensack Plank road, is being considered.

WOODBURY, N. J.—The following bids have been received for the construction of two new roads: Cross Keys Road—Quinlan & Leary, of South Amboy, N. J., $9,000; Smith Tomlin, Bridgeton, N. J., $6,490. Woodbury Road, 5¼ miles in length—Quinlan & Leary, $11,700, which was considered by the committee to be excessive, and will likely be rejected at the next meeting of the board, this being the only bid received for the latter work.

ASPINWALL, PA.—Bids are asked until July 29 for paving, curbing and constructing a sewer. M. G. Vogan, Borough Solicitor, 433 5th Ave., Pittsburg, Pa.

CHESTER, PA.—D. W. Jefferies, Mayor, has signed ordinances authorizing the paving of a street with brick; also for the construction of two sewers and curbing and paving in another street. F. W. Harrison, Cy. Clk.

ERIE, PA.—Bids will soon be asked by the City Surveyor for 1,466 sq. yds. of brick pavement in Parade St.

HARRISBURG, PA.—Press reports state that the Barber Asphalt Paving Co. has received a contract to keep the asphalt pavement in repair for 10 years at $4,950 per annum.

SHERIDAN, PA.—Bids are asked until July 29 for the curbing, and for 16,500 yds. of paving with brick in several streets. J. B. Smith, Engr., 434 4th Ave., Pittsburg.

WASHINGTON, D. C.—Bids are asked by District Commissioners until Aug. 7 for furnishing granite curbing.

DANVILLE, VA.—Local reports state that bids will soon be asked for the paving of Main St. with brick, and for supplying 6-in. curbing for same. J. M. Neal, Chn.

SAVANNAH, GA.—The question of brick paving in two streets is being considered. J. M. Dixon, Chn. Com.

BUCYRUS, O.—The following contracts for macadamizing have been awarded Eaton & Son: E. Mansfield, $2,882; Sulphur Springs, $2,484; Sandusky & Col.—n., $2,457; Tiffin, $2,952; Oceola, $2,051; Sandusky & Col.—s., $2,425; Galion, $2,846. A. H. Gardner: Wyandot, $2,769.

CINCINNATI, O.—The following bids were received for improving Burnet Ave.: L. F. Klanke, $15,792 (accepted); John W. Sullivan, $17,953; A. J. Henkel & Bro., $19,266; Delaney & Broerman, $19,543; Van Sandt & Meads, $18,727.

CLEVELAND, O.—Bids are asked until Aug. 2 by the Board of Park Commissioners for furnishing 10,000 sq. yds. of brick pavement, 14,000 sq. yds. of Telford macadam pavement and 8,000 sq. yds. of macadam walks. C. W. Pratt, Jr., Chief Engineer, room 220 Hickox Bldg., 185 Euclid Ave.

COLUMBUS, O.—Press reports state that the issuance of $6,500 in bonds for improvements of Neil St. is being considered.——Bids are asked for the construction of sidewalks in 21 streets.——Resolutions have been passed for the brick paving in Hoover Ave. and Wall St. J. T. Barr, Clk.

DAYTON, O.—Bids are asked until Aug. 21 for about 9,630 yds. of paving and about 5,415 ft. of curbing in three streets. P. E. Gilbert, Pres.; Robt. H. Ferguson.

EAST LIVERPOOL, O.—Bids are asked until Aug. 11 by the City Comptroller for improvements to two streets, estimated as follows: About 39,692 cu. yds. grading, 3,025 lin. ft. curbing, 9,800 sq. yds. paving and 1,107 sq. yds. sidewalk paving. Jno. A. George, Cy. Engr.

FOSTORIA, O.—Reports state that the contract for building 18,000 lin. ft. in four roads has been awarded to N. R. France & Co., Bloomville, at about $23,000.

HAMILTON, O.—J. M. Quill has been awarded the contract for the paving of South 3d St. with asphalt blocks at $23,017.

JACKSON, O.—Bids are asked until July 29 for the improvement of what is known as the Buffalo Skull Road. O. P. Schellinger, County Audr.

LAKEWOOD, O.—Bids are asked until Aug. 14 for asphalt paving in Robinson Ave. John French, Clk.

PORTSMOUTH, O.—The contract for 22,000 yds. of paving has been let to Jas. A. Kelley, and that for laying 8,000 ft. of sewer to Samuel Monroe. J. J. Hudson, Cy. Engr.

TOLEDO, O.—The contract for paving Melrose Ave. with Harris blocks has been awarded to H. J. Hennison at $6,358, and that for paving Rosalind St. has been let to H. P. Strucher at $7,784.——A petition to pave Michigan St. from Cherry to Orange, has been approved.

WARREN, O.—The following bids have been received for the paving of High St. with asphalt blocks: Vetter & Heasley, $19,374; Davis & Cauldwell, $20,440.

KENDALLVILLE, IND.—We are informed that the council has under consideration the question of paving portions of several streets with brick. Correspondence with James Graves, Mayor, and F. B. Park is solicited.

TERRE HAUTE, IND.—Bids are asked until 2 p. m. July 27, for the construction of about 4¼ miles of macadam road. Jas. Soules, County Audr.

CHICAGO, ILL.—Bids are asked until 10 a. m. July 28 for brick and asphalt paving in nine streets. L. E. McGann, Comr. Pub. Wks.

SENICA, ILL.—Press reports state that the issuance of $5,000 in bonds for paving is proposed.

DUBUQUE, IA.—Reports state that the city is contemplating buying a steam road roller weighing from 6 to 10 tons. E. C. Blake, Cy. Engr.

ASHLAND, WIS.—Local reports state that the council is considering the question of paving in four streets.

ST. PAUL, MINN.—Press reports state that the question of paving Jackson St. with brick is being considered; estimated cost, $7,580.

OMAHA, NEB.—Bids are asked until 2 p. m. July 28 for repairs to asphalt pavement in 25 streets. Andrew Rosewater, Chn. Bd. Pub. Wks.

MANUFACTURING PLANTS.

GARDINER, ME.—Reports state that the Knickerbocker Ice Co. sustained a loss of $75,000 to its plant by fire on July 21.

HOWLAND, ME.—We are informed that the directors of the Howland Falls Pulp Co. have decided to make an addition to their plant by constructing a building for a new paper machine (40x208 ft.); estimated cost, $50,000.

BROOKLYN, N. Y.—Reports state that the grain elevator and two warehouses owned by the Brooklyn Wharf & Warehouse Co., at Williams St. and Atlantic Basin, were damaged by fire on July 20, causing a loss of $150,000.

ALLEGHENY, PA.—The plant of the Riter-Conley Mfg. Co. was destroyed by fire July 12; loss estimated at about $150,000.

NEW CASTLE, PA.—Reports state that contracts have been let by the National Steel Co. for building and equipment of its blast furnace, which is to cost $1,000,000 and have a capacity of 600 tons daily. Improvements to the extent of $500,000 have been decided upon for the increase of the output of the steel plant already in operation here under the National company.

PHILADELPHIA, PA.—It is stated that Geo. T. Payne & Bro. have been awarded the contract to build a factory building for the Scott Spring Works Co. at Germantown Ave. and Newmarket St.; estimated cost, $50,000.

READING, PA.—It is stated that the plans for the proposed new shops for the Reading Ry. Co. have been prepared. The main structure of the plant will be 300x700 ft., and will cost about $500,000.

LYNCHBURGH, VA.—It is stated that the contract for the erection of buildings for the Lynchburgh Cotton Mill Co.'s addition has been awarded to Wilson & Seay, of Lynchburgh, at $59,000; building to be 130x400 ft. The mill company is to double its 22,000-spindle and 726-loom mill, and in all about $400,000 will be expended.

EAST LAKE, TENN.—We are informed that the contracts for the buildings for the Bickmore Spinning Co., Chattanooga, Tenn., have not yet been let. One building will be 253x107 ft. and two stories high, of brick, gravel roof, steam heat, electric lights, etc. Bids are wanted at once. The equipment will cost about $100,000. There will be wanted 400-HP. boilers and engines. Howard & Bullough, Archs., Pawtucket, R. I.

CINCINNATI, O.—The casting plant of the Addyston Pipe & Steel Foundry Co., near North Bend, was completely destroyed by fire July 17; reported loss, $400,000.

LONDON, ENGLAND.—Reports state that the destruction by fire of the Western Electric Co.'s cable works at Woolwich, caused a loss of about $1,250,000.

PARIS, FRANCE.—Reports state that so extensive is the demand for calcium carbide in the United States and abroad that a company has just been formed in Paris with a capital stock of $500,000, to be known as La Societe des Usines Electro-Metallurgiques de Villelongue (Haute Pyrenees) pour la Fabrication de Carbide de Calcium. This company is to immediately invest a very large portion of its capital in apparatus and machinery for the works.

TURIN, ITALY.—Press reports state that La Societa Ferriera di Buttigliera Alta e Avigliana, just formed, will want bids about Oct. 1 for erecting a brick and steel building and equipping it with engines, boilers, transmitting machinery, lathes, drills, etc. Capital stock, $700,000.

NOVOROSSISK, RUSSIA.—The municipal authorities are reported as wanting a shipbuilding company to establish a plant here.

GAS PLANTS.

LOUISVILLE, KY.—Local papers state that the Louisville Gas Co. will build a retort house on Washington St., to be 85x120 ft. and 45 ft. high, to cost $20,000, and a metal shop, 50x50 ft., to cost $1,800.

NEWPORT, KY.—The Newport Gas Co. has let a contract for laying about 12,000 ft. of 4 to 8-in. gas main.

RACINE, WIS.—It is reported that the Racine Gas Co. has purchased a strip of land on the lake shore, on which it will erect a new plant; estimated cost, $150,000.

STEVENS POINT, WIS.—William Mainland, former manager of the Oshkosh Gas Co., is reported to have announced the purchase of the Stevens Point Gas plant for an Eastern syndicate for $150,000. The company is under guarantee to spend $50,000 for improvements in exchange for a 15-year extension of the franchise.

MISCELLANEOUS CONTRACTS.

CEMENT.—Little Rock, Ark.—Bids are asked until Aug. 2 for 3,000 bbls. of Portland cement. Geo. R. Mann, Arch., Arkansas State Capitol.

REPAIRING PIERS.—Grand Rapids, Mich.—Bids are asked until Aug. 5 for repairing government piers. Capt. Chester Harding, U. S. Engrs.

FILLING.—Toledo, O.—Bids are asked until Aug. 7 for the filling of Ash St. slip; also for necessary piling to protect the fill. Wm. O. Holst, Cy. Clk.

BONDS.—Denver, Colo.—Bids are asked until Aug. 10 for the purchase of $400,000 of 4% Auditorium bonds. Joel W. Shackelford, Pres. Bd. Pub. Wks.

ENGINEER.—Wellsville, O.—The council has advertised for bids from engineers for services as a city engineer. Address President Pugh or Councilman Bowers.

DREDGING.—Oakland, Cal.—Bids are asked until Aug. 9 for 50,000 cu. yds. of dredging for Lake Merritt. R. M. Clement, Engr.; R. F. Jacison, Secy. Bd. Pub. Wks.

DREDGING.—Boston, Mass.—Bids are asked until Aug. 26 for dredging in the Merrimac River, as stated in our advertising columns. Col. Chas. R. Suter, U. S. Engrs.

DITCH.—Findlay, O.—Press reports state that the project to build the Geo. W. Needles ditch has been revived. The ditch is to be 24 miles long; estimated cost $40,000.

EXCAVATING.—Winnipeg, Man.—Bids are asked until Aug. 4 for excavating a drainage ditch, 3½ miles long, 90,000 cu. yds. Robert Watson, Minister of Pub. Wks.

DREDGING.—Savannah, Ga.—Bids are asked until Aug. 21 for dredging at Doboy Bar, Ga., as stated in our advertising columns. Capt. Cassius E. Gillette, U. S. Engr.

DOCKS.—Detroit, Mich.—Press reports state that the Detroit & Toledo Shore line will build extensive docks at the Union terminal from Delray into Detroit for freighting purposes.

JETTY WORK.—Norfolk, Va.—Bids are asked until Aug. 22 for the construction of jetties of brush and stone in the harbor of Cape Charles City, Va. Maj. Thos. L. Casey, U. S. Engr.

DAM.—Erie, Colo.—Bids are asked until Aug. 1 for construction of a dam across Coal Creek. Robert Hauck, Pres., Coal Creek Ditch & Reservoir Co.; Geo. Zimmermann, Secy.

CRANE.—League Island Navy Yard, Pa.—Bids are asked until Aug. 26 for a locomotive crane of 40 gross tons capacity. M. T. Endicott, Chief Bureau Yards and Docks, Washington, D. C.

DREDGING.—New York, N. Y.—Bids are asked by the department of docks and ferries, Pier "A," North River, until July 31 for 200,000 cu. yds. of dredging in the East and the Harlem rivers.

DREDGING.—New York, N. Y.—Bids are asked until Aug. 26 for dredging in Raritan Bay and South River, N. J., as stated in our advertising columns. Col. J. W. Barbour, U. S. Engrs.

DRY-DOCK.—Lewiston, Me.—Bids are asked by the navy department, Washington, D. C., until Aug. 26 for the construction of a dry-dock to be 750 ft. long and 30 ft. deep; estimated cost, $1,100,100.

DITCH.—Leadville, Colo.—Bids are asked until July 31 for construction of 34,000 lin. ft. of ditch and 18,000 lin. ft. of flume. Thomas W. Jaycox, Engr., Arlington Gold Mining Co.; Fred. O. Harvey, Mgr., Leadville.

TELEPHONE.—Attalla, Ala.—An ordinance has been passed granting an exclusive franchise to O. L. Russell, T. C. Banks, E. L. Wood and others for the construction, maintenance and operation of a telephone system.

JETTY WORK.—Norfolk, Va.—Bids are asked until Aug. 22 for the construction of jetties of brush and stone in the harbor at Cape Charles City, Va., as stated in our advertising columns. Maj. Thos. L. Casey, U. S. Engr.

TUNNEL.—Boston, Mass.—It is stated that a tunnel is proposed by the Boston Elevated Ry. Co. and the Boston Transit Commission, to run under the tracks of the Boston Elevated Ry. at Travers St., North End; estimated cost, $15,000.

LEVEE WORK.—New Orleans, La.—Bids are asked until July 31 by the Board of State Engineers, Cotton Exchange Bldg., New Orleans, La., for the construction of the Bayou Latanache levee, Pointe Coupee parish. T. G. Sparks, Pres. Bd. Comrs., Port Allen, La.

WAVE-WASH.—Convent, La.—Bids are asked until July 31 for repairing 6,800 lin. ft. of wave-wash at St. John and St. Charles parishes. Address Board of State Engineers, Cotton Exchange Building, New Orleans, La., or Hunter C. Leake, Pres. Bd. Comrs., Convent.

LEVEE WORK.—Alexandria, La.—Bids are asked until Aug. 2 by the Board of Commissioners of the Red River, Atchafalaya and Bayou Bœuf Levee District for the construction of Upper Bayou Des Glaizes Levee, in Avayelles parish. J. G. White, Pres.; J. R. Thornton, Secy.

FILES, ROLLS AND SHELVES.—Morristown, N. J.—Bids are asked by the Court House and Jail Committee until Aug. 8 for furnishing and equipping the vault of the Surrogate's office with document files and roller shelves, closets, etc., as stated in our advertising columns.

DITCH.—Zanesville, O.—The contracts for the extension of the McKaig County ditch were awarded on July 15 as follows: 1st section, to George Myers, at $3,888; 2d section, to I. T. Wright, at $1,577; sections 4, 5, 6 and 7, to T. L. Ginn, at $890, $670, $1,232 and $1,116 respectively.

RIVER IMPROVEMENTS.—New York, N. Y.—Reports state that the contract for improving the Bay Ridge and Red Hook channels has been awarded to Hughes Bros. & Bangs, of Syracuse, at $2,040,540. There was but one other bid, that being presented by Morris & Cumings, of New York, for $4,944,300.

PIER.—South Haven, Mich.—It is stated that the contract has been awarded to N. J. Gaylord, of Ludington, to rebuild 850 ft. of the docks on the south side of the river; also 150 ft. of piers on the north side; also to put in one 50-ft. crib at the end of the south side pier. About $60,000 will be expended in repairs and extension of piers.

PIER.—New York, N. Y.—The following bids for construction of new pier foot of 39th St. was received by the Department of Docks July 24: H. L. Sperin, 111 Broadway, $51,066 (accepted); W. F. Ritch, 281 4th Ave., $51,775; Gildersleeve & Rolf, 39 Cortlandt St., $54,633; W. H. Jenks, Pearl St., $55,989; J. D. Leary, 17 State St., $59,800.

DOCK MATERIAL.—New York, N. Y.—Bids are asked by the department of docks and ferries, Pier "A," North River, until July 31 for furnishing material as follows: Dock spikes, 176,000 lbs; screw bolt and nuts, 81,500 lbs; wrought iron washers, 19,700 lbs.; 20 galvanized pier cleats, 33,000 lbs; 40 galvanized screw bolts, 689 lbs; 40 galvanized wrought iron washers, 176 lbs.; 50 cast-iron single bits, 35,000 lbs.; 300 screw bolts, 6,660 lbs.; 300 wrought-iron washers, 1,320 lbs.

Bids Received at Brooklyn, N. Y., July 20, 1899, for Constructing Sewers.

Quantities.		Nassau Const'n Co.	Hesterberg & Miller.	The Harrison Const'n Co.	John J. Creem.	Jas. Kelly.	Wm. H. Port.	Borough Const'n Co.
72-in. brick sewer	630 lin. ft.	$16.00	$16.00	$18.17	$10.40	$14.00	$17.00	$11.88
66-in. " "	1,570 " "	9.25	10.00	8.02	7.49	10.00	9.50	6.95
60-in. " "	2,410 " "	6.70	7.50	7.98	6.11	6.00	6.75	4.98
54-in. " "	560 " "	6.00	6.15	8.34	5.38	5.00	6.00	4.38
42-in. " "	600 " "	4.70	4.50	6.72	4.34	4.00	4.25	3.40
30-in. " "	560 " "	4.00	3.40	5.10	3.45	3.00	3.44	2.60
24-in. cement pipe sewer	815 " "	2.00	2.20	2.19	1.68	2.20	2.20	1.90
18-in. " " "	1,085 " "	1.85	1.65	1.74	1.05	1.25	1.50	1.33
15-in. " " "	870 " "	1.65	1.20	1.22	.95	1.05	1.30	1.00
12-in. " " "	2,700 " "	1.00	.80	.93	.60	.80	.90	.67
Manholes	91 each	33.00	35.00	37.00	25.00	35.00	30.00	34.00
Street basins	44 "	92.00	100.00	100.00	80.00	90.00	95.00	86.00
Foundation planking	81,000 ft. B.M.	20.00	20.00	25.00	23.00	20.00	24.00	22.00
Extra brick work at portal	10 cu. yds.	15.00	12.50	10.00	9.00	10.00	5.00	10.00
Stone rip-rap outlet	65 " "	3.00	2.00	1.50	3.00	3.00	4.25	.40
Earth embankment	100 " "	.50	.35	.50	.25	1.00	.50	.30
Total		$66,008	$66,362	$72,113	$53,508	$61,242	$65,940	$50,833

PARK WORK.—Kansas City, Mo.—Press reports state that the park board has asked for bids for the Paseo and Plaza improvements. The work includes a $10,000 stone wall at 12th St. and the Paseo, the construction of the Pergola on the Paseo, and the retaining walls at Independence Ave. and the Plaza. Estimated cost for work, $19,000.

BOILER.—Chicago, Ill.—Bids are asked until noon, July 27, for furnishing the Chicago Fire Department with one firebox marine boiler, according to plans and specifications as follows: Boiler to be 7 ft. 6 ins. in diameter inside of shell, and 14 ft. long over all, and tested to a hydraulic pressure of 210 lbs. per sq. in., and built for a working pressure of 140 lbs per sq. in. D. J. Swenie, Fire Marshal.

SNAGBOAT AND HULL.—Little Rock, Ark.—The following bids were received July 15 by Lieut. Robt. McGregor, U. S. Engr., for furnishing a steel snagboat and hull, as advertised in Engineering News:

	Snagboat.	Hull.
Thos. M. Rees, Pittsburg, Pa.	$44,000	$22,500
Ed. J. Howard, Jeffersonville, Ind.	38,000	18,500
Iowa Iron Works, Dubuque (complete)	54,750	.....
Sweeney Shipyard & Fdry Co, Jeffersonville	32,899	18,549

DRAINING MEADOWS.—Newark, N. J.—The board of street and water commissioners received ten plans July 20 for draining the meadows, the cost ranging from $442,000 to $6,922,000. The names of the competitors were not made known, excepting that of the N. J. Drainage & Improvement Co., whose name, instead of an identifying mark, was enclosed with the plan. The propositions, etc., were as follows: The N. J. Drainage & Improvement Co. calls for the expenditure of $1,185,000; M1, to cost $2,481,635 and consume four years in completing; 1,000X.—A machine should be built which would accomplish a double purpose. It would dredge the river and bay and the earth so taken would be deposited on the meadows. This kind of work, it was claimed, had been done in Chicago very successfully. By it a filling of a foot an hour could be obtained. No figures were presented either as to the cost of the machine or of the probable expense of the work; Plan 1321, the work could be completed for $2,725,000, but a yearly expense of $88,000 would be required for the maintenance of the ground; Plan marked 13.—The cost of the work would be $525,100, with an annual expenditure for maintenance of $50,000; Plan marked 191, involved an expense of $6,922,000. The inventor of it stated that the land reclaimed would be worth $25,000,000, thus allowing a gain of more than $18,000,000 to the city; 38, $3,472,200; 13, 13A, some sections of the meadows were not to be improved. No figures were given. Nor were any amounts quoted in the eighth scheme, which was marked 999. The tenth competitor estimated the cost of the work, according to his plan, at $442,789.

CONTRACT PRICES.

SEWER PIPE.—Greensburg, Pa.—J. Shumaker, Greensburg, has been awarded the contract, at 58 cts. a ft. for furnishing 24-in. pipe for the Coal Tar Run sewer. McGonnagle & McQuaid have the contract for building the sewer at 64 cts a ft.

PIPE SEWERS.—Chester, Pa.—The following contracts for sewer work were let July 5, 1899: McIlvain St., 18-in. pipe, J. B. Helms, $1.09; Potter St., 18-in., W. E. Reilley, $1; 18th St., 18-in., W. E. Reilley, $1; 4-ft. brick sewer, $3.60.

DREDGING PLANT.—Cincinnati, O.—The following bids were received by Maj. W. H. Bixby, U. S. Engr., July 19, 1899, for the hire of one or more dredging plants on the Ohio River, as advertised in Engineering News; three dump scows are called for with the dredgeboat:

Bidder.	Dredgeboat and dump scows —a day— At work.	Idle.	Towboat, —a day— At work.	Idle.
C. I. McDonald, Pittsburg	$90.00	$65.00	$35.00	$25.00
W. A. Kirk, Madison, Ind.	40.00	35.00	30.00	25.00
H. S. Brown, Quincy, Ill.	40.00	35.00	25.00	20.00
C. Jutte & Co., Pittsburg	84.00	54.00	40.00	35.00

PAVING.—Kansas City, Mo.—It is stated that the following contracts for paving have been let: The Gilsonite Paving & Roofing Co., Ord St., from Lexington to Elma St., at $2.10 a sq. yd.; A. R. Mense, Garner Ave., from Indiana to Monroe, $1.50 a sq. yd. (the material to be Pittsburg brick); S. F. Shroeder, Indiana Ave., from 10th to 12th, with brick, $1.62½ a sq. yd.

ASPHALT PAVING.—Newark, N. J.—The Barber Asphalt Paving Co., New York, has been awarded the contract for asphalt paving as follows: Clifton Ave., 5,700 sq. yds., $1.95; Burnet St., 4,500 sq. yds., $1.90; Green St., 4,800 sq. yds., $1.90; Elm St., 5,700 sq yds., $1.90; Livingston st., 6,500 sq. yds., $1.90; Charlton St., 5,500 sq. yds., $1.90.

ARTESIAN WELL.—Darby, Pa.—Geo. H. Orcutt has been awarded the contract for sinking an 8-in. artesian well an additional 500 ft., making it 1,000 ft. deep: First 200 ft., $2.60 a ft.; remaining 300 ft., $3.25 a ft. The contractor agrees to cease boring as soon as a sufficient supply is assured; or when 200 ft. additional is bored, or at any depth when council may order a discontinuance. It appears that the well has only been tested at 172 ft., and not to the full depth.

SEWERS.—Brooklyn, N. Y.—The following bids were received July 20 for a sewer in Fifth Ave., from Ovington Ave. to 79th St.; in 79th St., from Fifth Ave. to New York Bay, and in 75th St., from Fifth Ave. to a point 100 ft. east of Fort Hamilton Ave.; all but the Harrison Construction Co., of New York city, are of Brooklyn:

WATER-WORKS.

OCONOMOWOC, WIS.

Sealed bids are invited and will be received by the City Clerk of Oconomowoc, Wis., until 4 o'clock p. m., August 7, 1899, for doing all trenching, laying and caulking of mains, setting hydrants, valves and boxes for a complete system of Water-Works for the City of Oconomowoc, Wis.; further, for the finishing and erection of one water tower and tank of 80,000 gallons capacity; all according to specifications on file at the office of the City Clerk, also at 1101 Pabst Building, Milwaukee, Wis., and Room 1636 Monadnock Block, Chicago, Ill.

All bids must be accompanied by certified check to amount equal to 10% of the amount of the bid. The Council reserves the right to reject any or all bids.

O. C. PETERS,
City Clerk.

Oconomowoc, Wis., July 24, 1899. 30-1t

Nearly Every Prominent Contractor and Manufacturer of Contractors' Supplies READS ENGINEERING NEWS

AVAIL YOURSELF OF THIS PAPER WHEN BIDS ARE WANTED FOR CONSTRUCTION OR FOR FURNISHING SUPPLIES.

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